



Aretha Franklin
Respect (1967)

RESPECT

user preferences

- light/dark mode
- font & font size
- context menu (right mouse click)
- language

RESPECT

privacy preferences

Laura Kalbag
beyond tellerrand
Düsseldorf 2024

How to build more
rights-respecting
technology



#btconf // Berlin, Germany // 07 - 08 Nov 2024

Speakers

Schedule

Partners

Side Events

Locations

Tickets

Here we are. Our Berlin edition no. 9 after we started here in 2014. Join us for another dose of **technology, creativity and the Web** on two days on **November 7 and 8, 2024**. beyond tellerrand is the event, where **design and technology** meet!

Join us for talks and workshops with...



RESPECT

preferred language(s)

Keiner oder alle – All of Us or None

Was hat sich für schwarze Amerikaner in der Ära Barack Obama verändert? Eine Reise quer durch das Land zu sieben Menschen, die etwas bewegen. Von Anna Sauerbrey

Sprache:  ▼

Keiner oder alle: Wohin die Reise führt

1. W. Kamau Bell, Comedian – Weiße Leute und schwarze Haare

2. Patrisse Cullors, Black Lives Matter-Gründerin – Für ihren Bruder

3. John Lewis, Bürgerrechtsikone – Fremdheit der Generationen




Keiner oder alle – Das schwarze Amerika am Ende der Ära Obama

„Das hier ist Krieg, Mann, das hier ist Krieg.“

我们所有人或没有人

贝拉克·奥巴马时代美国黑人发生了什么变化？七个与众不同的人穿越全国的旅程。通过安娜索尔布雷

语言:  ▼

没有或全部——奥巴马时代末期的美国黑人

1. 卡马·贝尔, 喜剧演员——白人, 黑头发
2. 帕特里斯·库勒斯, “黑命亦贵”创始人 - 献给她的兄弟
3. 约翰·刘易斯, 民权偶像——异化一代
4. 阿什利·贝尔, 律师 - 特朗普的黑人选民策略师
5. 雪莉琳·伊菲尔, 法律辩护基金主席——诉讼德克萨斯



我们所有人或一个人都没有——在奥巴马总统任期结束时在美国成为黑人

“这是战争，伙计，这是战争。”

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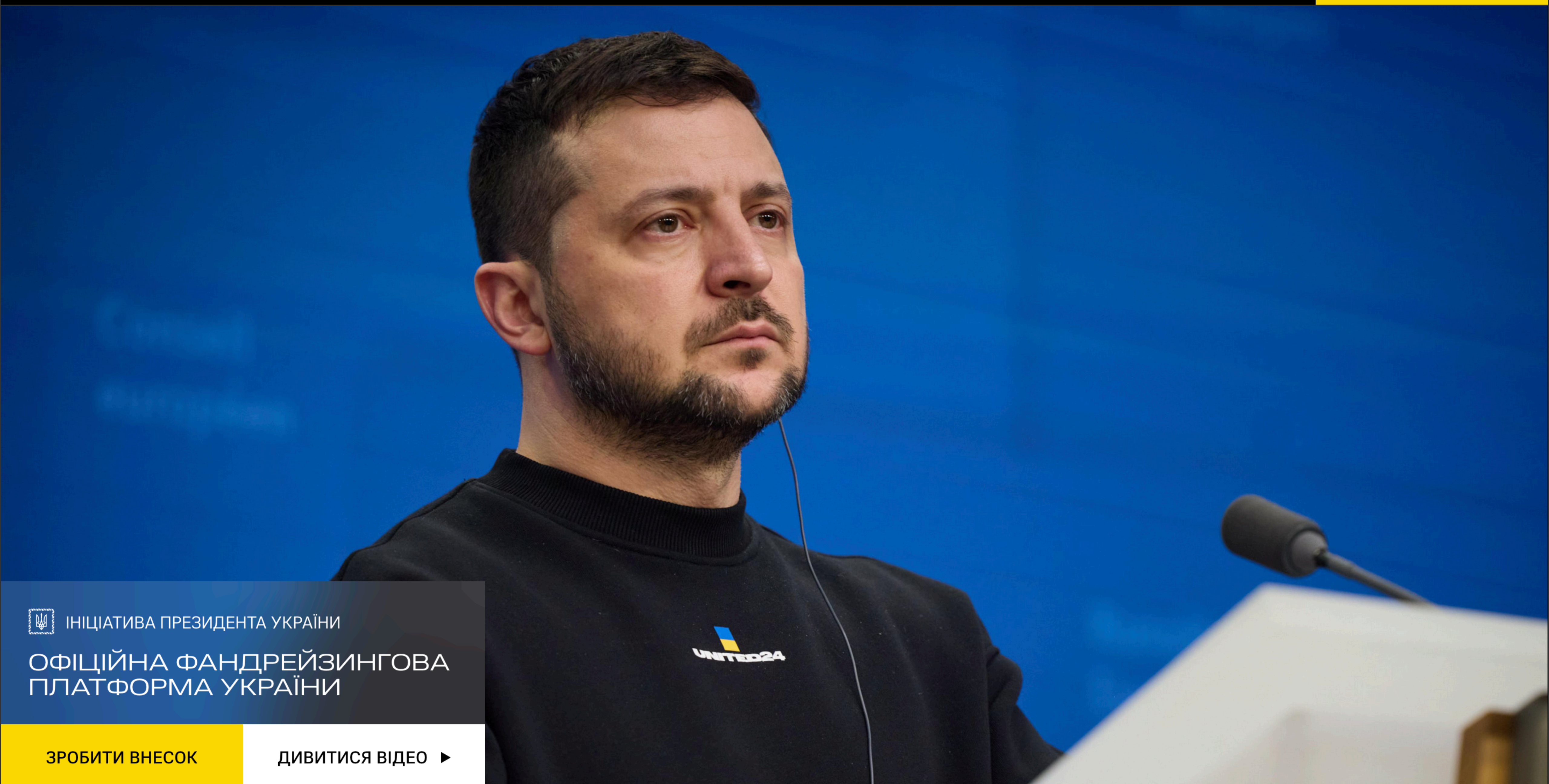
Keiner oder alle – Das schwarze Amerika am Ende der Ära Obama

„Das hier ist Krieg, Mann, das hier ist Krieg.“

Ініціатива Президента України

UNITED24 — ініціатива Президента України Володимира Зеленського. Завдання фандрейзингової платформи — стати головним вікном для збору пожертв на підтримку України. Кошти надходять на рахунки Національного банку України та спрямовуються профільними міністерствами на найголовніші потреби за трьома напрямками

[ЗРОБИТИ ВНЕСОК](#)[ДИВИТИСЯ ►](#)



ІНІЦІАТИВА ПРЕЗИДЕНТА УКРАЇНИ

ОФІЦІЙНА ФАНДРЕЙЗИНГОВА
ПЛАТФОРМА УКРАЇНИ

ЗРОБИТИ ВНЕСОК

ДИВИТИСЯ ВІДЕО ►

When to use language negotiation

Updated 2004-02-26 15:10

QUESTION

When is it appropriate, or not, to use language negotiation?

Language negotiation is a function of the HTTP protocol which lets a server choose among several language versions of a page, based on the URL and on preference information sent by the browser (specifically in the `Accept-Language` header). This is distinct from page selection based on the IP address of the browser or from a manual selection by the user on a language-selection page. If there is no match between the preferences expressed by the browser and the languages available on the server, either a language-selection page is shown or a default language is served.

In many cases, the initial user agent setting for language preferences is okay. For example, if you have a Japanese version of a browser, the browser typically assumes that you prefer pages in Japanese, and sends this information to the server. Mainstream browsers allow you to modify these language preferences. For more information see [Setting language preferences in a browser](#).

This article addresses the question of when it is appropriate (or not) to set up language negotiation on the server.



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[Shortcomings of language negotiation](#)

[Making up for the shortcomings](#)

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[By the way](#)

[Further reading](#)

About languages and flags



[Deutsch](#)

Author:

[Gunnar Bittersmann](#)

Last changed:

2022-15-06

Multilingual Web sites should use [language negotiation](#) for pages with equivalent contents to initially serve the content in the reader's preferred language. In some cases, when the browser is not set to the user's needs, language negotiation does not give the desired result. Every Web page with equivalent language versions must provide a language menu to allow the reader to switch to her preferred language.

On some Web pages you'll find country flags as symbols for languages. This article explains why this approach is problematic, and what you should do instead.

Why not flags for languages?

Take this bad example of a language menu:

Select your language:      

Since the call-to-action is in some particular language (here: in English) or if there is no call-to-action at all some



Eric Eggert
@yatil



Antwort an [@g16n](#)

[@g16n](#) BTW: Fun story: two friends visited me when I lived in Vienna and couldn't find the tourist map in German. It had an Austrian flag.

[Tweet übersetzen](#)

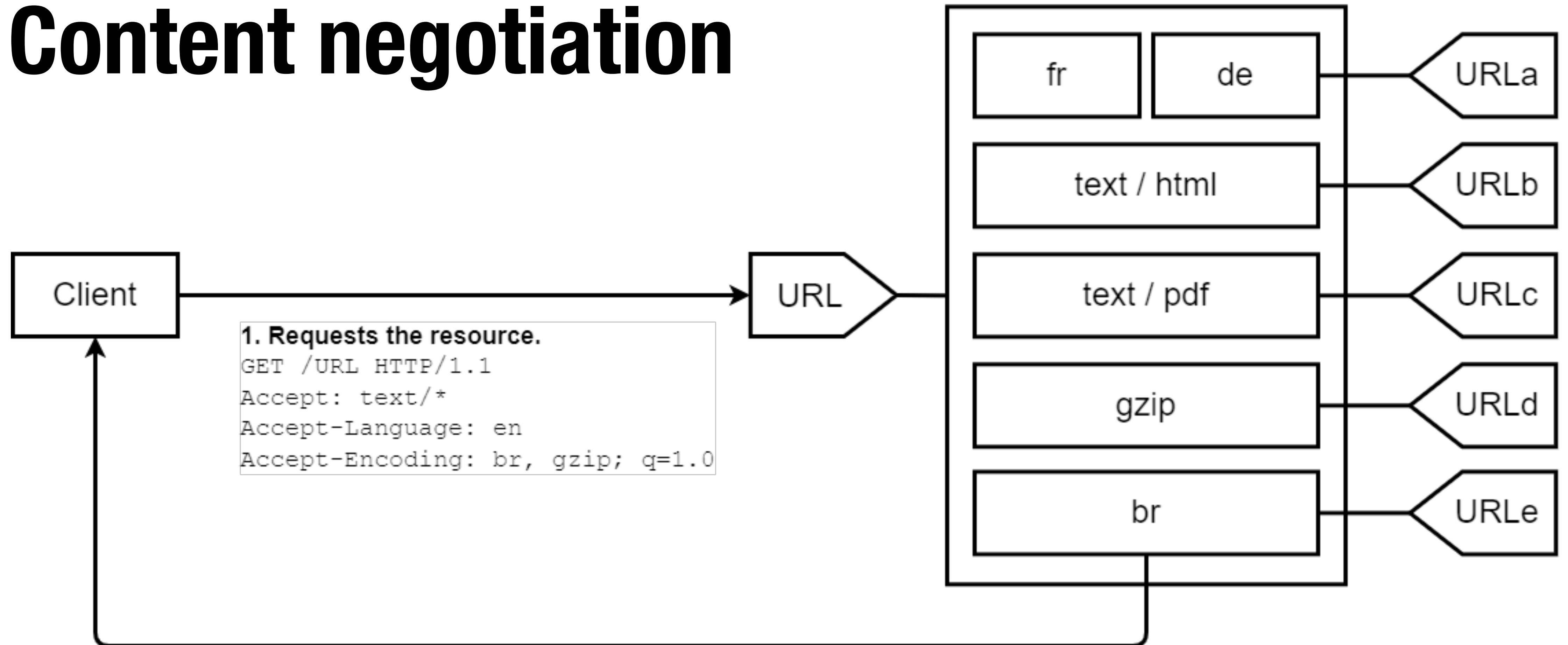
2:32 nachm. · 22. Okt. 2012 · Tweetbot for Mac

2 Retweets **2** „Gefällt mir“-Angaben



Content negotiation

Resource on the server
(with different available representations)



2. Returns the most appropriate representation of the resource
HTTP/1.1 200 OK
Content-Location: /URLe
Content-Type: text/html
Content-Language: en
Content-Encoding: br

Options +MultiViews


.htaccess
index.de.html
index.en.html
index.zh.html
seite2.de.html
seite2.en.html
seite2.zh.html
seite3.de.html
seite3.en.html

generic URLs:

<https://example.net/index>
<https://example.net/seite2>
<https://example.net/seite3>


language-specific URLs:


<https://example.net/index.de>
<https://example.net/index.en>
<https://example.net/index.zh>
<https://example.net/seite2.de>
<https://example.net/seite2.en>


 [Your browser is being managed by your organization.](#)


Find in Settings


 General

 Home

 Search

 Privacy & Security

 Sync

 More from Mozilla

Zoom

Default zoom **100%** ▾

Zoom text only

Language

Choose the language

English (US)

Choose your prefer

Check your spe

Translations

Set your language
installed for offline

Install language

- Bulgarisch
- Englisch
- Estnisch
- Finnisch

Webpage Language Settings

Web pages are sometimes offered in more than one language. Choose languages for displaying these web pages, in order of preference

- German [de]**
- English (United States) [en-us]
- English [en]

Select a language to add... ▾

Move Up
Move Down
Remove
Add
Cancel OK

Files and Applications

 Extensions & Themes

RESPECT

preferred date/time format & units

accessibility / assistive tech

5/4/24

2024-05-04

May the force

RESPECT

preferred light or dark mode & contrast

ICH WERDE 33

nach „I'm Turning Into Elvis“ von Bruce Springsteen

Text: Gunnar Bittersmann



Open Stage Varieté mit Sebastian Krämer, Scheinbar, Berlin, 2019-08-15

Ich hab in meinem Leben schon so manche Schulbank gedrückt
Hab mich in meinem Leben schon vor so mancher Arbeit gedrückt
So steh ich da in meinem alten Hemd, zerschliss'nen Jeans und ausgelatschten
Schuh'n
Ich werde 33 und kann nichts dagegen tun

Mein Haar wird immer dünner, aber noch nicht grau
Noch lächelt mir noch zu hin und wieder mal eine Frau
Ich genieße das, denn ich weiß, in zwei, drei Jahren wird sie das nicht mehr tun

ICH WERDE 33

nach „I'm Turning Into Elvis“ von Bruce Springsteen

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```
HTML [⚙] [⌵]
CSS [⚙] [⌵]
1 body {
2   background: #eee;
3   color: #666;
4   margin: 0;
5   min-height: 100vh;
6   display: grid;
7   place-content: center;
8
9   @media (prefers-color-scheme: dark) {
10    background: #222;
11    color: #999;
12  }
13
14  @media (prefers-contrast: more) {
15    background: white;
16    color: black;
17  }
18
19  @media (prefers-color-scheme: dark)
20  and (prefers-contrast: more) {
21    background: black;
22    color: white;

```

MIND THE
CONTRAST

System Settings window for 'Appearance'.

Left Sidebar:

- Search
- Gunnar Bittersmann (Apple ID)
- iCloud verwenden (1 notification)
- Wi-Fi
- Bluetooth
- Network
- Notifications
- Sound
- Focus
- Screen Time
- General
- Appearance** (selected)
- Accessibility
- Control Centre
- Siri & Spotlight
- Privacy & Security
- Desktop & Dock

Appearance Panel:

Appearance: Light, **Dark**, Auto

Accent colour: Multicolour (selected), Blue, Purple, Pink, Red, Orange, Yellow, Green, Grey

Highlight colour: Accent Colour (dropdown)

Sidebar icon size: Medium (dropdown)

Allow wallpaper tinting in windows:

Show scroll bars:
 Automatically based on mouse or trackpad
 When scrolling
 Always

Click in the scroll bar to:
 Jump to the next page
 Jump to the spot that's clicked

Help icon (?)

```
HTML [⚙] [⌵]
CSS [⚙] [⌵]
1 body {
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10   background: #222;
11   color: #999;
12  }
13
14 @media (prefers-contrast: more) {
15   background: white;
16   color: black;
17  }
18
19 @media (prefers-color-scheme: dark)
20 and (prefers-contrast: more) {
21   background: black;
22   color: white;
}
```



System settings window with window control buttons (red, yellow, green) at the top left.

Search [input field]

Gunnar Bittersmann
Apple ID

iCloud verwenden 1

- Wi-Fi
- Bluetooth
- Network
- Notifications
- Sound
- Focus
- Screen Time
- General
- Appearance
- Accessibility**
- Control Centre
- Siri & Spotlight
- Privacy & Security
- Desktop & Dock

Display

Invert colours

Invert colours mode Smart Classic

Reduce motion

Increase contrast

Reduce transparency

Differentiate without colour

Auto-play animated images

Show window title icons

Show toolbar button shapes

Display contrast Normal Maximum

Text

Text size Default >
Set your preferred reading size for supported apps and system features.

Menu bar size Default Large
Some apps or system features may need a log-out for the changes to menu bar font size to take effect.

```
HTML [⚙] [⌵]
* CSS [⚙] [⌵]
1 body {
2   background: #eee;
3   color: #666;
4   margin: 0;
5   min-height: 100vh;
6   display: grid;
7   place-content: center;
8
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18
19  @media (prefers-color-scheme: dark)
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21    background: black;
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```

MIND THE
CONTRAST



HTML

* CSS

```
1 body {
2   background: #eee;
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4   margin: 0;
5   min-height: 100vh;
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10    background: #222;
11    color: #999;
12  }
13
14  @media (prefers-contrast: more) {
15    background: white;
16    color: black;
17  }
18
19  @media (prefers-color-scheme: dark)
20  and (prefers-contrast: more) {
21    background: black;
22    color: white;

```

JS



```
HTML [Settings]
CSS [Settings]
1 body {
2   font: 1em/1.4 Calibri, sans-serif;
3   font-variant-ligatures: none;
4   margin: 0 2em;
5 }
6
7 h1 {
8   font-size: 1.4em;
9   line-height: 1.2;
10  margin: 0;
11  border-block-end: thin solid;
12  padding-block: 0.5em;
13  position: sticky;
14  top: 0;
15  background: #FFF8;
16
17  @media (prefers-reduced-transparency: reduce) {
18    background: white;
19  }
20 }
21
22 section {
23
```

Article 1
The Universal Declaration of Human Rights
All human beings are born free and equal in dignity and rights. They are endowed with reason and conscience and should act towards one another in a spirit of brotherhood.

Article 2
Everyone is entitled to all the rights and freedoms set forth in this Declaration, without distinction of any kind, such as race, colour, sex, language, religion, political or other opinion, national or social origin, property, birth or other status. Furthermore, no distinction shall be made on the basis of the political, jurisdictional or international status of the country or territory to which a person belongs, whether it be independent, trust, non-self-governing or under any other limitation of sovereignty.

Article 3
Everyone has the right to life, liberty and security of person.

Article 4
No one shall be held in slavery or servitude; slavery and the slave trade shall be prohibited in all their forms.

Article 5
No one shall be subjected to torture or to cruel, inhuman or degrading treatment or punishment.

Article 6
Everyone has the right to recognition everywhere as a person before the law.

Article 7
All are equal before the law and are entitled without any discrimination to equal protection of the law. All are entitled to equal protection against any discrimination in violation of this Declaration and against any incitement to such discrimination.

Article 8
Everyone has the right to an effective remedy by the competent national tribunals for acts violating the fundamental rights granted him by the constitution or by law.

System Settings window with a sidebar on the left and a main content area on the right.

Sidebar (Left):

- Search
- Gunnar Bittersmann (Apple ID)
- iCloud verwenden (1 notification)
- Wi-Fi
- Bluetooth
- Network
- Notifications
- Sound
- Focus
- Screen Time
- General
- Appearance
- Accessibility** (highlighted)
- Control Centre
- Siri & Spotlight
- Privacy & Security
- Desktop & Dock

Main Content Area (Right):

Display

- Invert colours**
- Invert colours mode** Smart Classic
- Reduce motion**
- Increase contrast**
- Reduce transparency**
- Differentiate without colour**
- Auto-play animated images**
- Show window title icons**
- Show toolbar button shapes**
- Display contrast** Normal Maximum

Text

- Text size**
Set your preferred reading size for supported apps and system features. Default >
- Menu bar size** Default Large
Some apps or system features may need a log-out for the changes to menu bar font size to take effect.


```
HTML
CSS
1 body {
2   font: 1em/1.4 Calibri, sans-serif;
3   font-variant-ligatures: none;
4   margin: 0 2em;
5 }
6
7 h1 {
8   font-size: 1.4em;
9   line-height: 1.2;
10  margin: 0;
11  border-block-end: thin solid;
12  padding-block: 0.5em;
13  position: sticky;
14  top: 0;
15  background: #FFF8;
16
17  @media (prefers-reduced-transparency: reduce) {
18    background: white;
19  }
20 }
21
22 section {
23   font-size: 1.2em;
24   line-height: 1.2;
25   margin: 0 2em;
26   padding: 0 2em 1em 2em;
27 }
```

The Universal Declaration of Human Rights

conscience and should act towards one another in a spirit of brotherhood.

Article 2

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Article 8

Everyone has the right to an effective remedy by the competent national tribunals for acts violating the fundamental rights granted him by the constitution or by law.

RESPECT

preferred font & font size



HTML

* CSS

```

21
22 ▾ /* Don't use px in media queries
23 @media (min-width: 800px) {
24 See https://zellwk.com/blog/media-query-units/
25 Use em instead: */
26 ▾ @media (min-width: 50em) {
27 ▾ main {
28     display: grid;
29     grid-template-columns: repeat(5, 1fr);
30     gap: 0 2em;
31 }
32
33 ▾ h1 {
34     grid-column: 1/-1;
35 }
36 }
37

```

JS

The Universal Declaration of Human Rights

Article 1

All human beings are born free and equal in dignity and rights. They are endowed with reason and conscience and should act towards one another in a spirit of brotherhood.

Article 2

Everyone is entitled to all the rights and freedoms set forth in this Declaration, without distinction of any kind, such as race, colour, sex, language, religion, political or other opinion, national or social origin, property, birth or other status. Furthermore, no distinction shall be made on the basis of the political, jurisdictional or international status of the country or territory to which a person belongs, whether it be independent, trust, non-self-governing or under any other limitation of sovereignty.

Article 3

Everyone has the right to life, liberty and security of person.

Article 4

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Article 5

No one shall be subjected to torture or to cruel, inhuman or degrading treatment or punishment.

RESPECT

preferred screen orientation



RESPECT

preferred reduced motion

T+ Plus

Politik ∨

Internationales ∨

Berlin ∨

Gesellschaft ∨

Wirtschaft ∨

Kultur ∨

Wissen ∨

Gesundheit ∨

Sport ∨

Meinung ∨

Potsdam ∨

Krieg in Nahost Krieg in der Ukraine

Fußball-EM 2024 Nachrufe

hatte mein Gehirn gekapert Wie ich aus der Abhängigkeit fand

n verzweifelte an TikTok. Im zweiten Teil der Geschichte endet ihr seelisches Leid dank eines Gesprächs. Dabei hatte sie schon so viele Methoden ausprobiert – ohne Erfolg.

Mafoor | 18 Kommentare

Gehirn Wie TikTok fast meine Zukunft zerstörte

T+ Hirnforscherin über soziale Medien „Das größte Experiment der Menschheitsgeschichte“



nen mehr als Autos Elf Branchen, in denen nd noch Spitze ist

eren Branchen zählt die deutsche Industrie zur Weltspitze, nes Studie fest. An einigen Schwächen aber muss dringend



Update / Verbotene Parolen, Angriffe auf Polizisten 25 Strafanzeigen nach propalästinensischem Protestmarsch durch Berlin

Rund 6200 Menschen beteiligten sich am Sonnabend in Berlin an einer Demonstration für Palästina. Zwischenzeitlich stand ein Abbruch im

Anzeige



#1 Supermarkt für Familien

Google Play App Store

System Settings window for user Gunnar Bittersmann, showing the Display settings under the Accessibility category.

Left Sidebar (System Settings):

- Search
- Gunnar Bittersmann (Apple ID)
- iCloud verwenden (1 notification)
- Wi-Fi
- Bluetooth
- Network
- Notifications
- Sound
- Focus
- Screen Time
- General
- Appearance
- Accessibility** (highlighted)
- Control Centre
- Siri & Spotlight
- Privacy & Security
- Desktop & Dock

Display Settings:

- Invert colours:
- Invert colours mode: Smart Classic
- Reduce motion:
- Increase contrast:
- Reduce transparency:
- Differentiate without colour:
- Auto-play animated images:
- Show window title icons:
- Show toolbar button shapes:
- Display contrast: (Normal to Maximum)

Text Settings:

- Text size:** Set your preferred reading size for supported apps and system features. Default >
- Menu bar size:** Default Large


```
HTML
CSS
JS
1 function parallaxScrolling() {
2   document.documentElement.style.setProperty('--
3     y', `${
4     window.scrollY /
5     (document.documentElement.offsetHeight -
6     window.innerHeight) * 100
7   }%`);
8 }
9
10 // see https://since1979.dev/respecting-prefers-
11 reduced-motion-with-javascript-and-react/
12 const mediaQuery = window.matchMedia('(prefers-
13 reduced-motion: reduce)');
14
15 if (mediaQuery && !mediaQuery.matches) {
16   document.addEventListener('scroll',
17     parallaxScrolling);
18 }
19
20 mediaQuery.addEventListener('change', () => {
21   if (mediaQuery.matches) {
22     document.removeEventListener('scroll',
```

Burj Khalifa

Der Burj Khalifa (arabisch برج خليفة, Chalifa-Turm) ist ein Wolkenkratzer in Dubai (Vereinigte Arabische Emirate). Seit April 2008 ist er das höchste Bauwerk der Welt, besitzt weltweit die meisten Stockwerke und auch das höchstgelegene nutzbare Stockwerk.

Der Burj Khalifa wurde von der Projektgesellschaft Emaar Properties nach Plänen des Architekten Adrian Smith vom amerikanischen

Architektur

Wie bei den meisten der höchsten Gebäude ihrer Zeit wurde auch beim Burj Khalifa ein spezielles statisches Konzept umgesetzt. Auf einem Y-förmigen Grundriss stehen drei Gebäudesäulen, die sich gegenseitig abstützen, indem sie in einer zentralen sechseckigen Achse zusammengeführt werden. Die Achse in der Turmmitte ist sehr stabil gegen Verwindung. Der Chefingenieur und Erfinder William F. Baker



RESPECT

preferred reduced data

Filter

CSS

Tutorials

CSS basics

- ▶ CSS first steps
- ▶ CSS building blocks
- ▶ Styling text
- ▶ CSS layout

Reference

- ▶ Modules
- ▶ Properties
- ▶ Selectors
- ▶ Combinators
- ▶ Pseudo-classes
- ▶ Pseudo-elements

prefers-reduced-data

Experimental: This is an experimental technology. Check the [Browser compatibility table](#) carefully before using this in production.

Note: This feature is not supported by any user agent and its specifics are subject to change.

The `prefers-reduced-data` [CSS media feature](#) is used to detect if the user has requested the web content that consumes less internet traffic.

Syntax

`no-preference`

Indicates that the user has made no preference known to the system. This keyword value evaluates as false in the boolean context.

`reduce`

In this article

- Syntax
- User preferences
- Examples
- Specifications
- Browser compatibility
- See also



Plan smarter, build better, launch faster. One simple platform for better product development.

RESPECT

user preferences



Otis Redding
Respect (1965)