READABILITY: LET'S BUILD GREAT AND INCLUSIVE EXPERIENCE

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Product designer · accessibility advocate

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Raccoon Studio



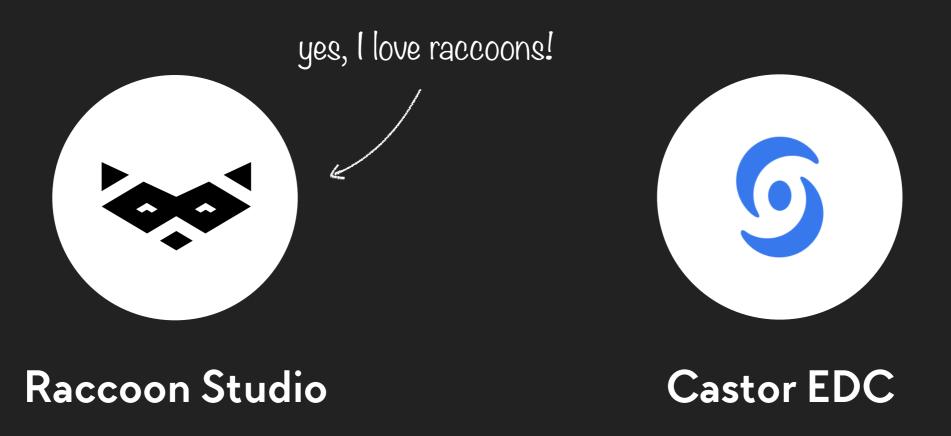
Castor EDC



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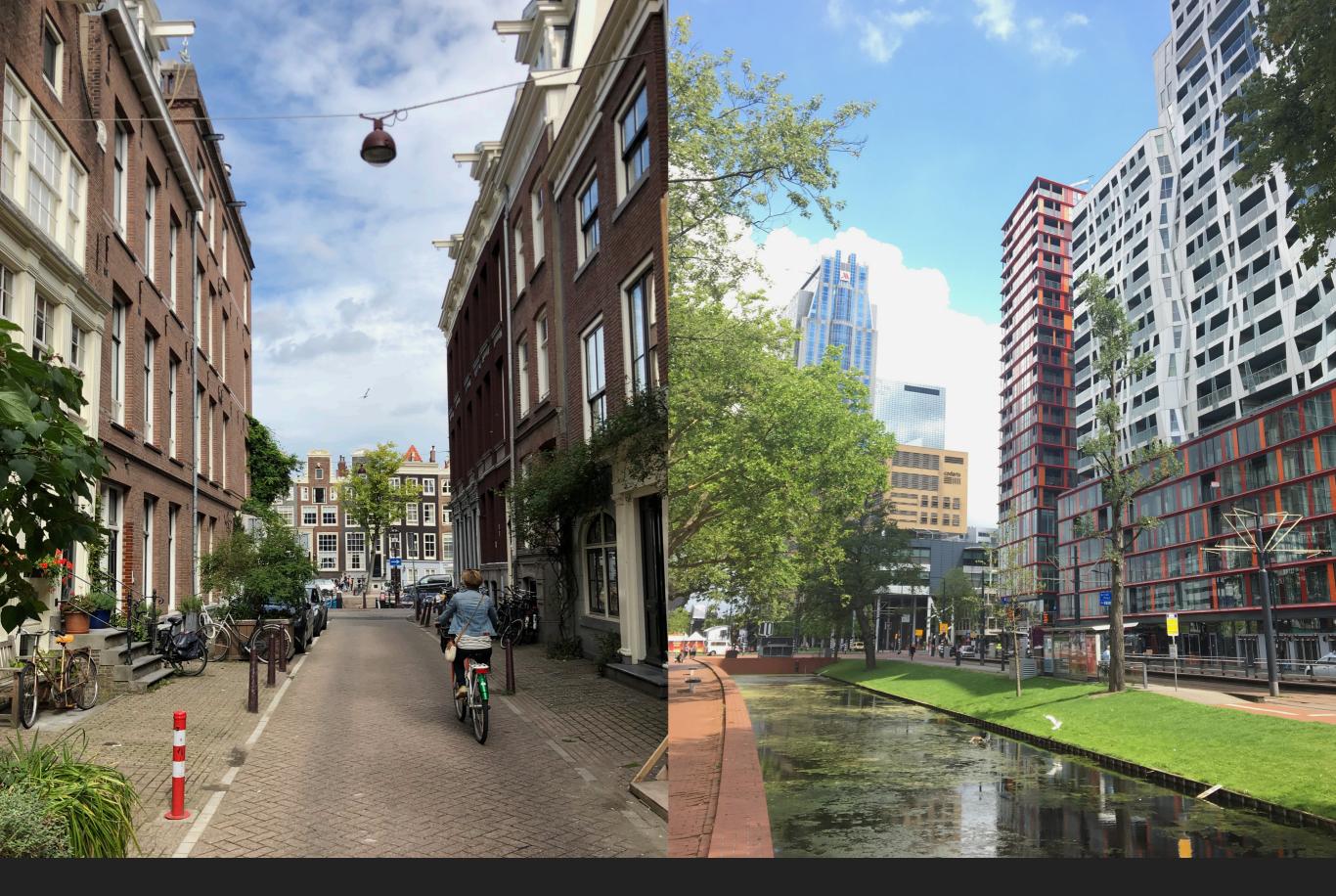


Raccoon Studio

and we're recruiting!



Castor EDC





UTC+2 · 10h Amsterdam & Rotterdam, Netherlands

Good to know:

This talk slides are available on Notist. https://noti.st/hiwelo/SgPVxk



and if you like it, don't hesitate to invite me to your meetup or conference to talk about inclusive design, accessibility or queer representation in design



READABILITY: LET'S BUILD GREAT AND INCLUSIVE EXPERIENCE

Readability, why?



Reading is not an easy thing.



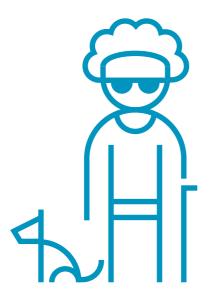
Readability is not only useful for people with reading disabilities



Reading issues can be linked to...



Vision impairments







Blindness

Eye infection Hay's fever

Visual distraction

Microsoft icons



Cognitive "impairments"







Dyslexia
Hyperlexia
(Autism/ADHD)

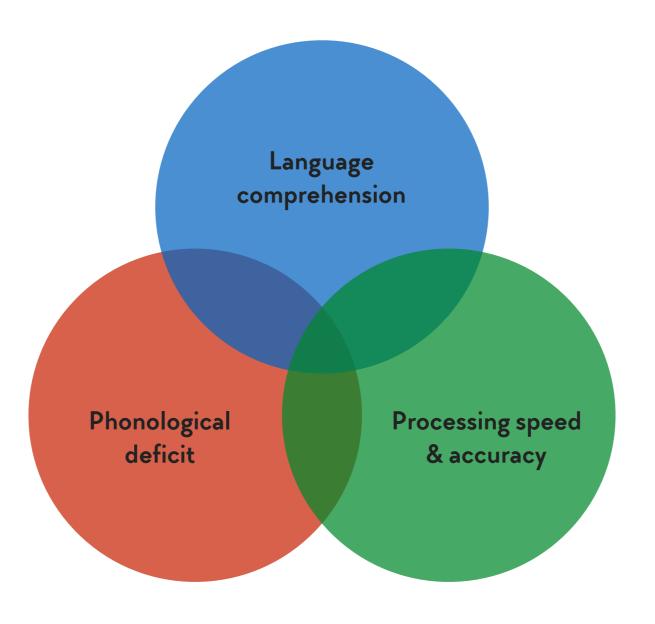
Fluency

Stressful context

Microsoft icons



Types of reading disabilities





Yes, there is adult dyslexic people.



How do we read?



The reading experience depends a lot of the context & environment



Reading is not linear, we are reading by saccades.



And between each saccades, we have something called fixation.



During a fixation, everything except the focus is blurry.



And every few fixations, we need a small break



Saccades, fixations, breaks... nothing linear (at all)



Web Content Accessibility Guidelines (WCAG) is developed through the W3C process in cooperation with individuals and organizations around the world, with a goal of providing a single shared standard for web content accessibility that meets the needs of individuals, organizations, and governments internationally.



A lot of us mainly use shapes to identify words when reading.



Translation: We are not reading in a word-by-word manner.



Yuo cna porbalby raed tihs esaliy desptie teh msispeillgns.



You can probably read this easily despite the misspellings.



This shape is possible by the letters' identifying features



These identifying features able us to read more easily.







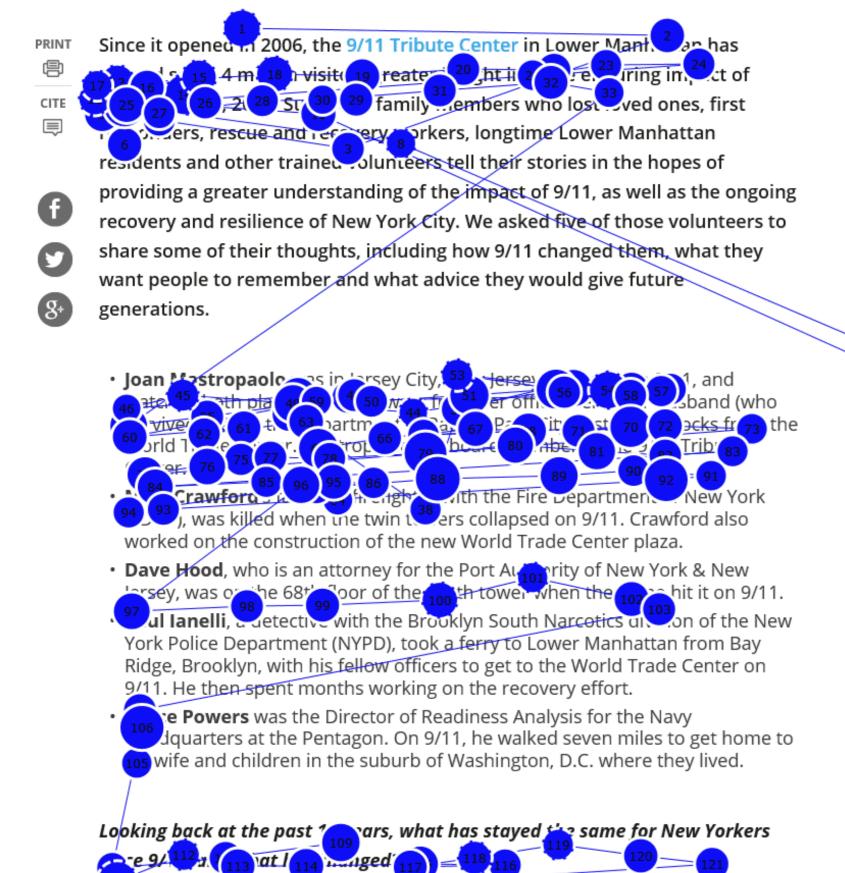












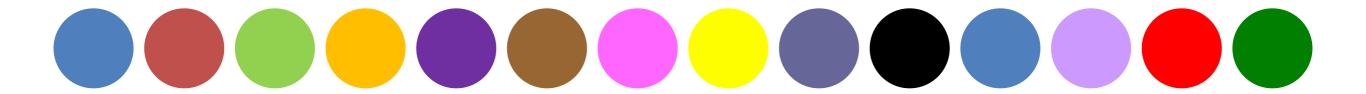


Saccades & fixations, experimentation by Nielsen Norman Group

The shape of a word or a form is one of the first thing we analyse

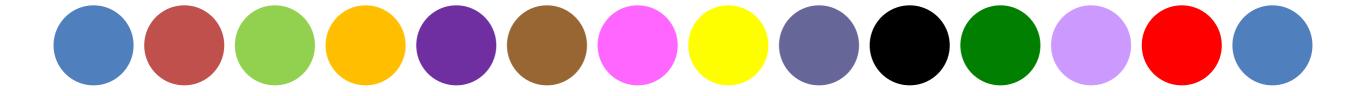


Two spots are with the same color. Which ones?



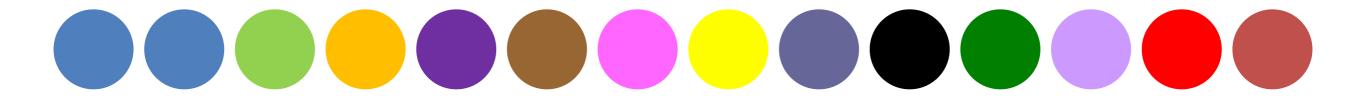


Let's try again.





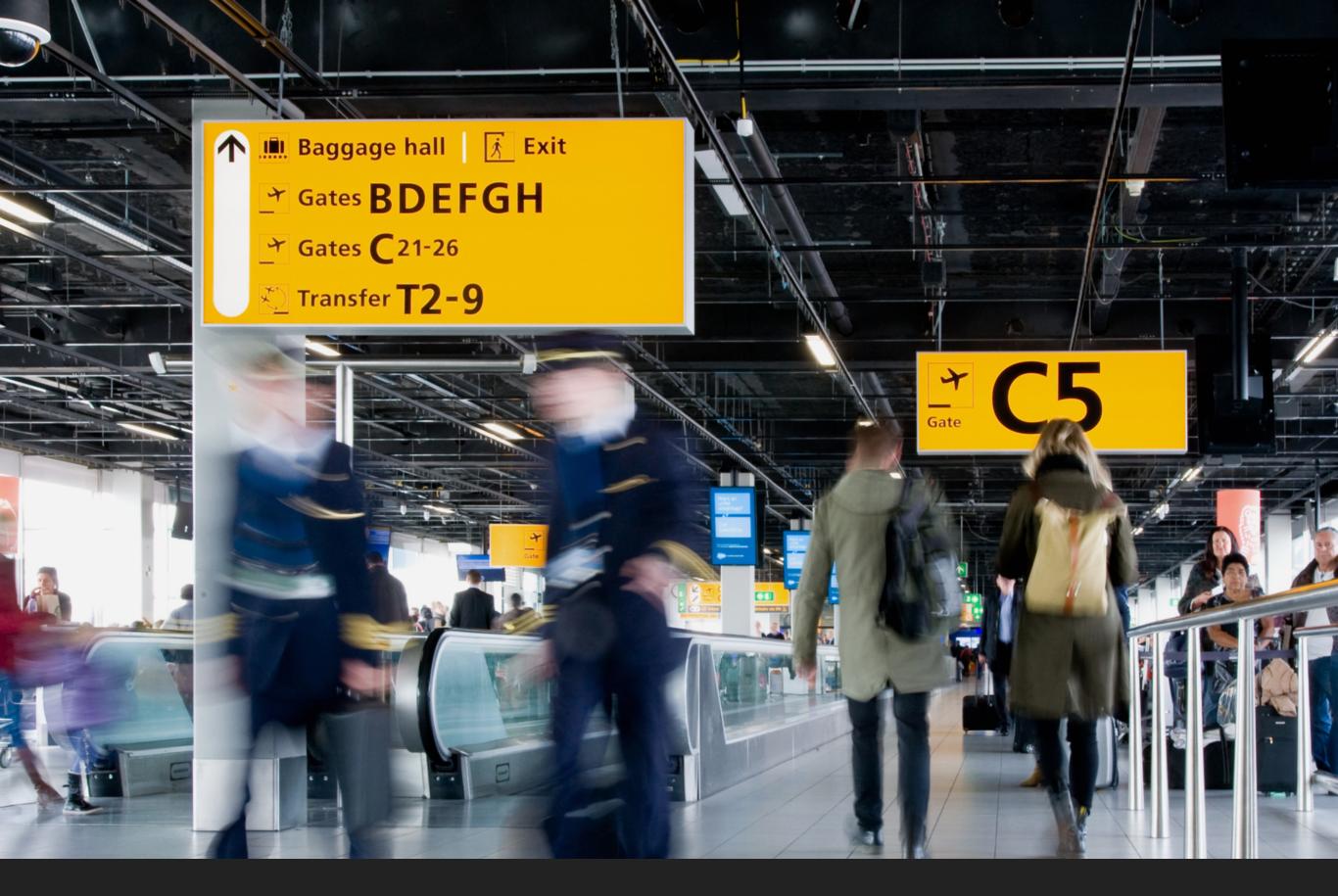
Proximity could also help us, but this is an other topic #gestalt





Readability 101.







The 4C of readability





№ МО-М1-М2-М3 **№**



Portes Gates
Puertas

01 to 39













Informació Trànsits **Transits Information** Información Tránsitos





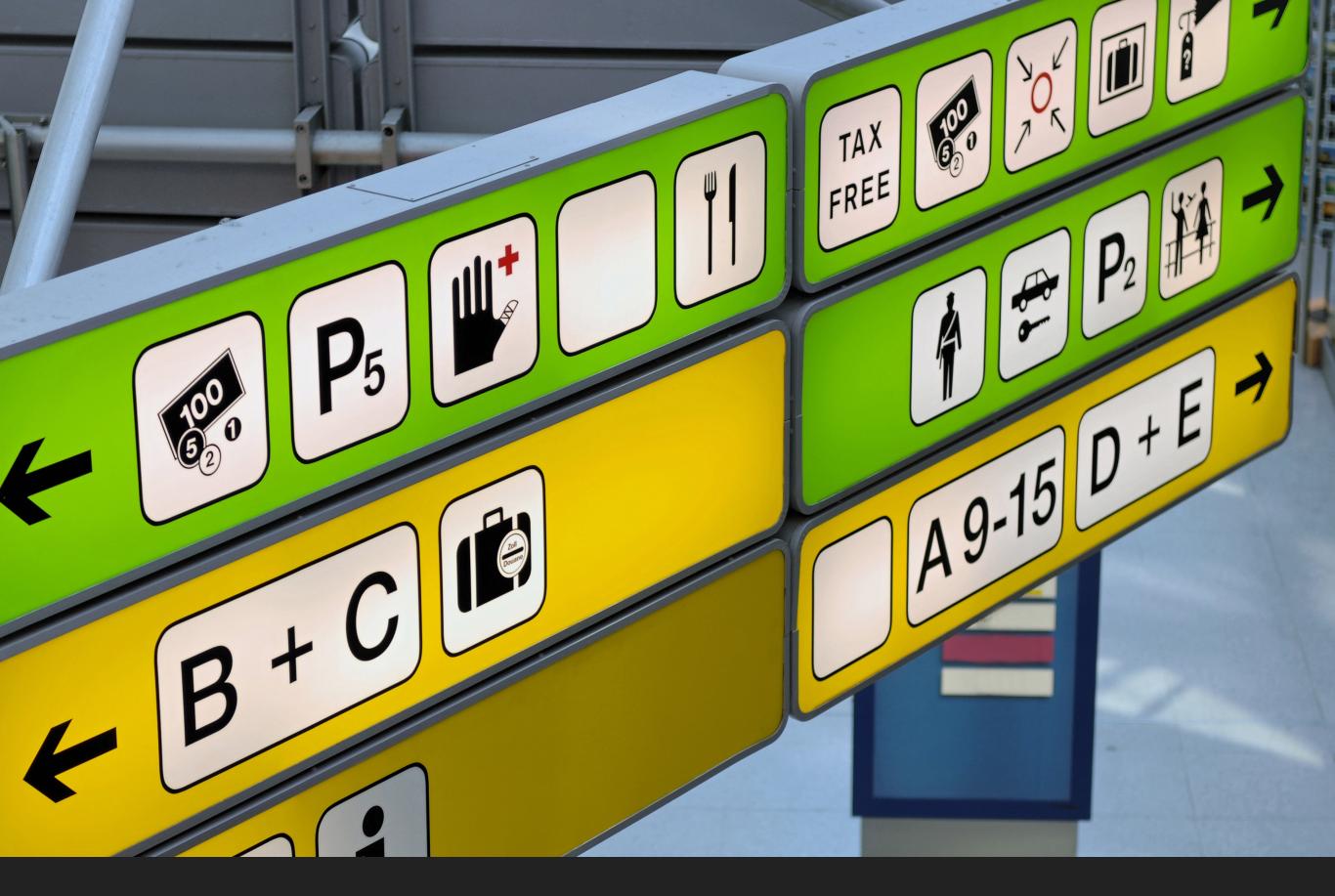
Recollida d'equipatges Baggage claim Recogida equipajes







Continuity: repetition of the information until the endpoint





Conspicuity: being eye-catching and understandable





Consistency: keeping the same wording along the way





Clarity: the message needs to be clearly understandable

Thanks Paul Mijksenaar





Readability & web content.



First, Open Dyslexia is not a solution.



Always include the most important points in the first two paragraphs.



Use a heading hierarchy

(so users can navigate quickly where the content they are looking for is)



Start headings with the words carrying most information



Group small related content with a strong visual system



Bold important content



Avoid the use of too generic content, be specific for links



Be semantic, and visual.

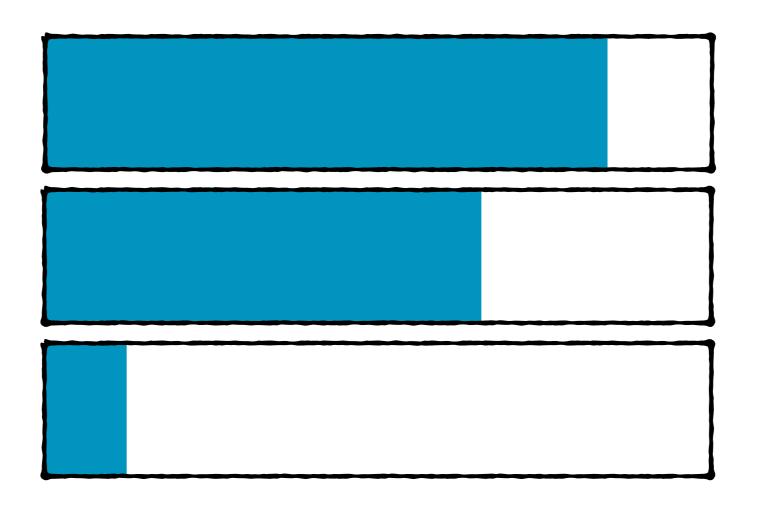
(i.e. a list must be displayed as a list)



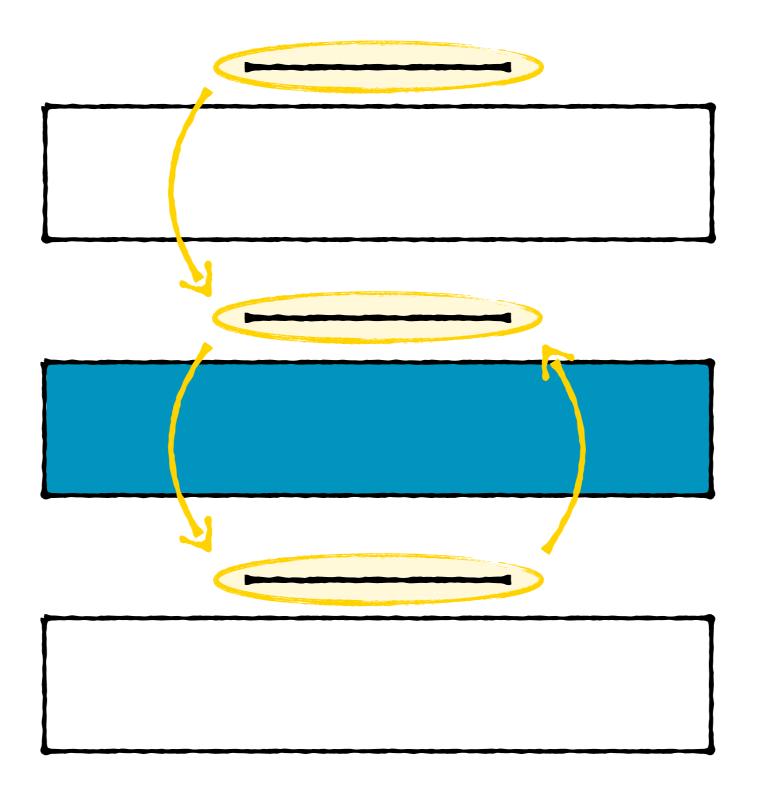
Keeping consistent layout motivates our users to read more when looking for an information.



Users can be easily bored without good visual hierarchy.









F-pattern, Z-pattern, or layer-cake-pattern?

Just use a logical pattern.



Propose distraction-free experiences





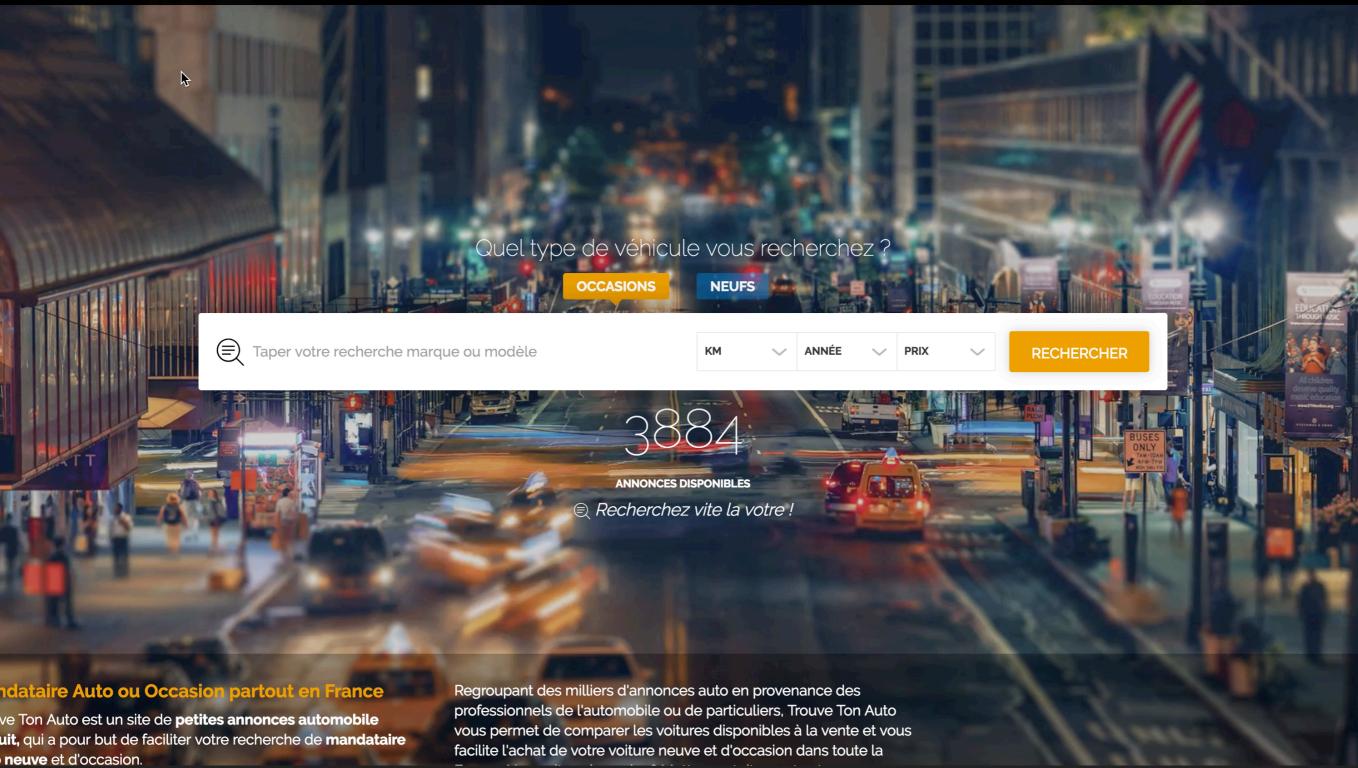


Mandataire Auto Neuve et Voiture d'Occasion avec Trouve Ton Auto

ANNONCES

GUIDE D'ACHAT

ANNUAIRE DES PROS

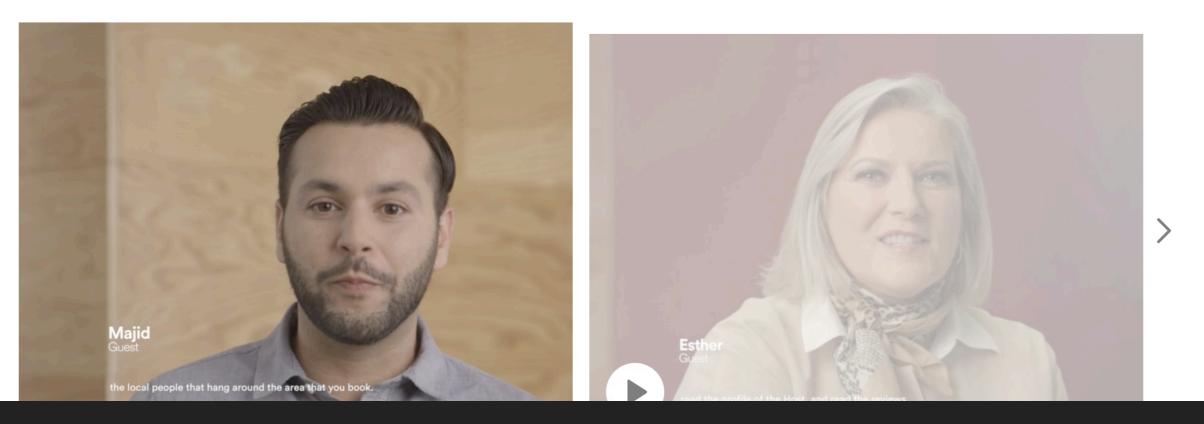


You know... this kind of really useful distractions

Live there. Book unique homes and experience a city like a local.

Where	When			Guests		
Berlin, Germany	12/05/2017	ightarrow 14/05/2017	×	3 guests	~	Search

Getting started



Hey buddy! You looks friendly but... no thank you!

Rather a challenge than routine.

If you want to jointly overcome all before us, we are on the best path to cooperation.

WHAT IS OUR CLIENT LIKE



The last, but not the least...







Remove unneeded content.



How to experiment with your projects?



One Morning, When Gregor Samsa Woke

From troubled dreams, he found himself transformed in his bed into a horrible vermin. He lay on his armour-like back, and if he lifted his head a little he could see his brown belly, slightly domed and divided by arches into stiff sections. The bedding was hardly able to cover it and seemed ready to slide off any moment.

His many legs, pitifully thin compared with the size of the rest of him, waved about helplessly as he looked. "What's happened to me?" he thought. It wasn't a dream. His room, a proper human room although a little too small, lay peacefully between its four familiar walls.

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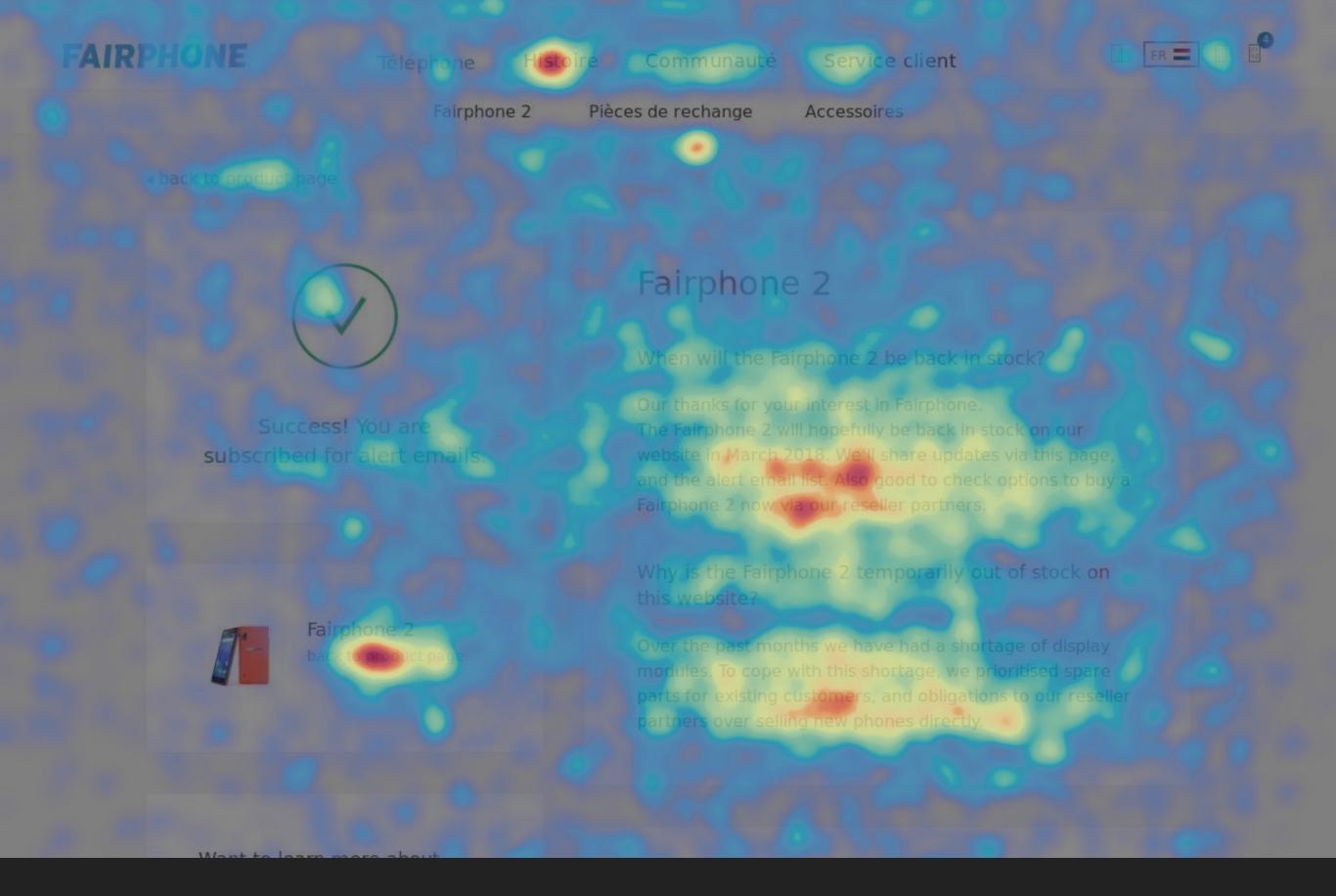
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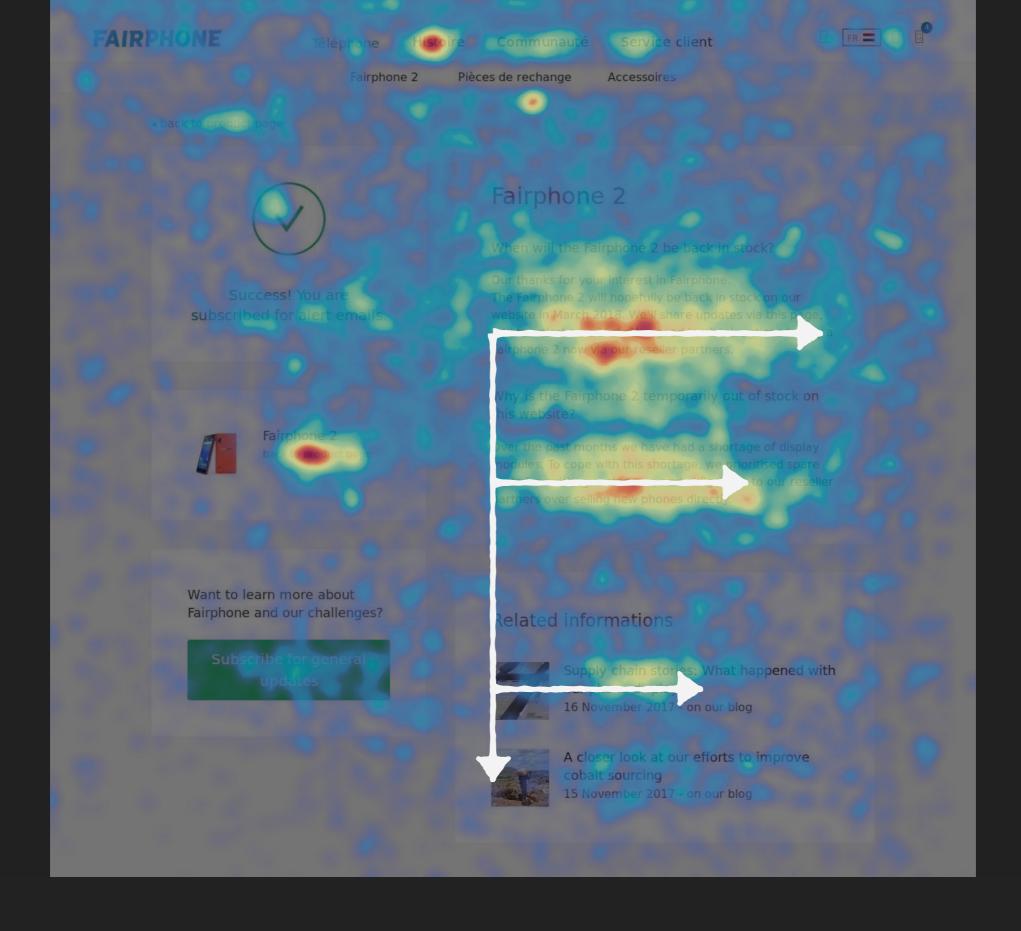
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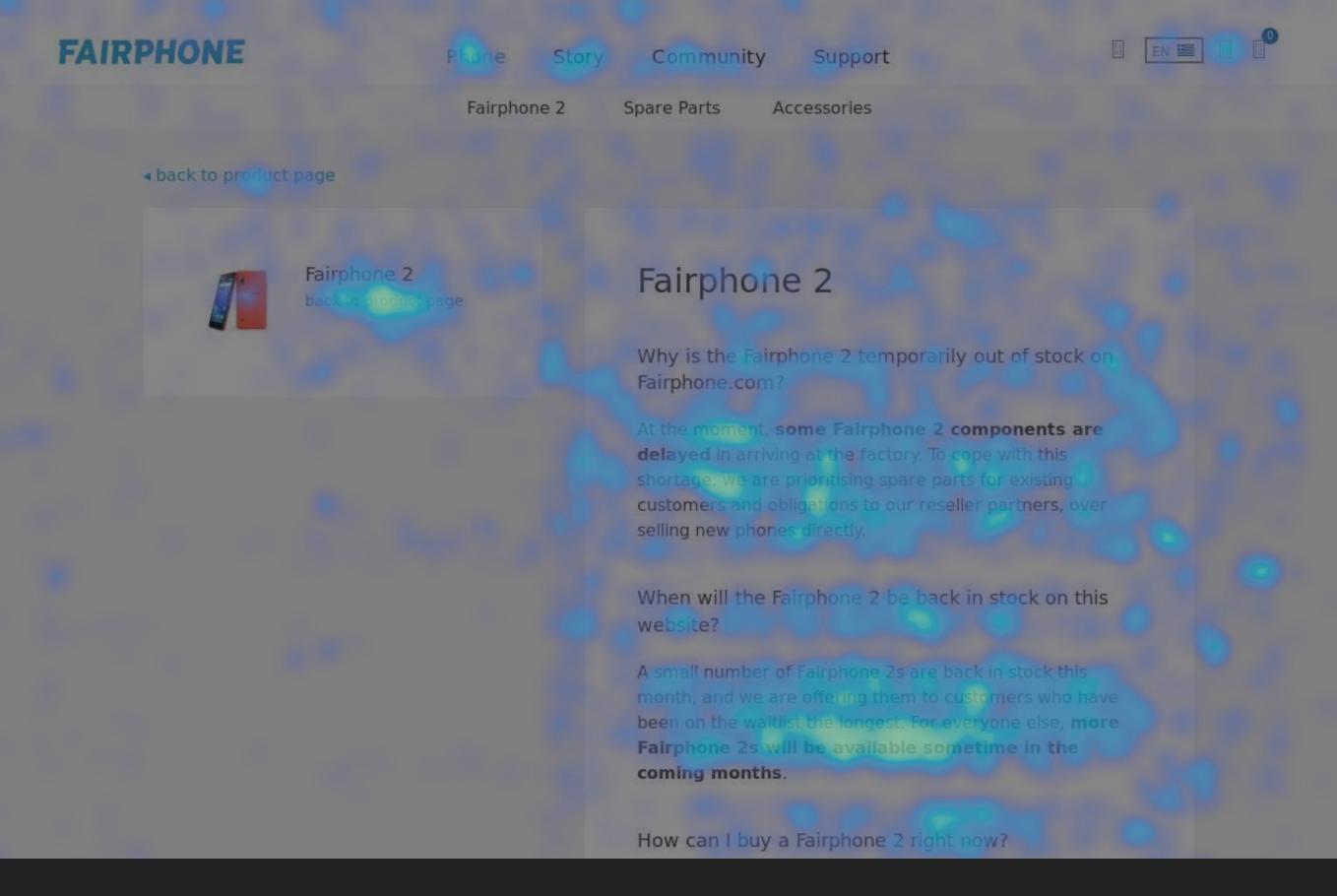


Less accurate than eye tracking but use moves heatmaps





The famous F-pattern





Some good examples.





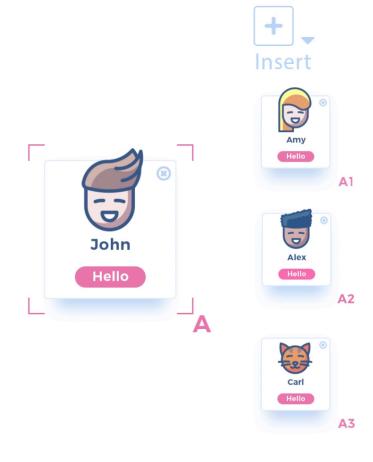
DESIGN COMPONENTS

Symbols are becoming a design standard

In April 2016, Sketch re-introduced Symbols to save designers more time.

- Sketch files saw 7.6x growth of Symbols usage
- Even Adobe Xd and Affinity Designer have introduced Symbols to keep up the pace

Learn more





Illustrated by **Benjamin Bely**







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Dhimil Gosalia wrote

Building A Pub/Sub Service In-House Using Node.js And Redis

JUNE 12, 2018 — As the size of data for each message in our system differs from a few bytes to up to 100MB, we needed a scalable solution that could support a multitude of scenarios. In this article, Dhimil Gosalia explains why you should consider building an in-house Pub/Sub service, too.

🛗 11 min read

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Smashing Mag is not afraid using bold and big font-sizes





A good grid and a good hierarchy is everything.

The Human Side of Technology

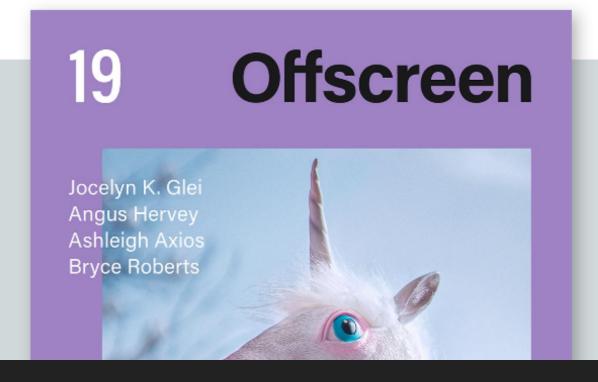
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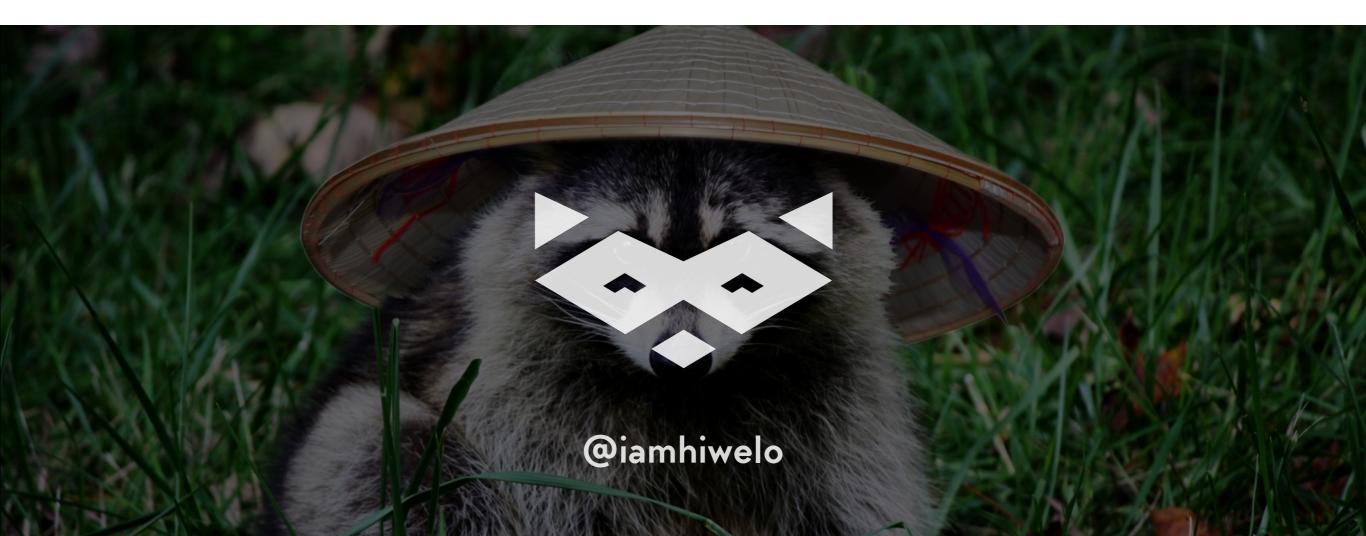






Merci beaucoup! Thank you!

Tack! ==
Bedankt! ==



Damien Senger

Product designer & accessibility advocate raccoon lover raccoon.studio · noti.st/hiwelo

