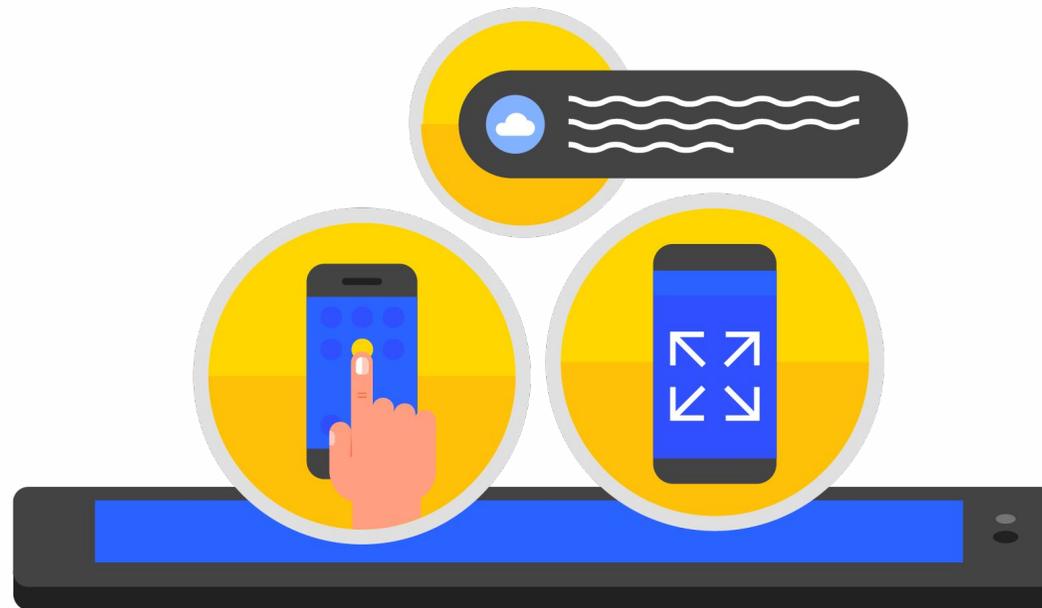


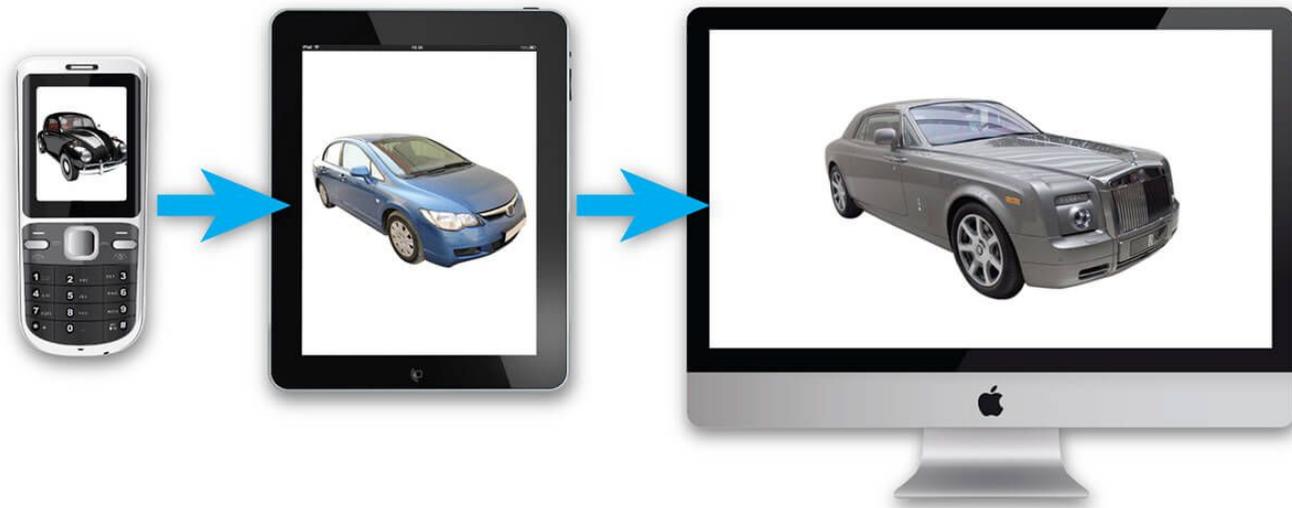


# **progressive web app et performance**

 **ceci n'est pas une présentation sur les PWA !**



# le progressive enhancement

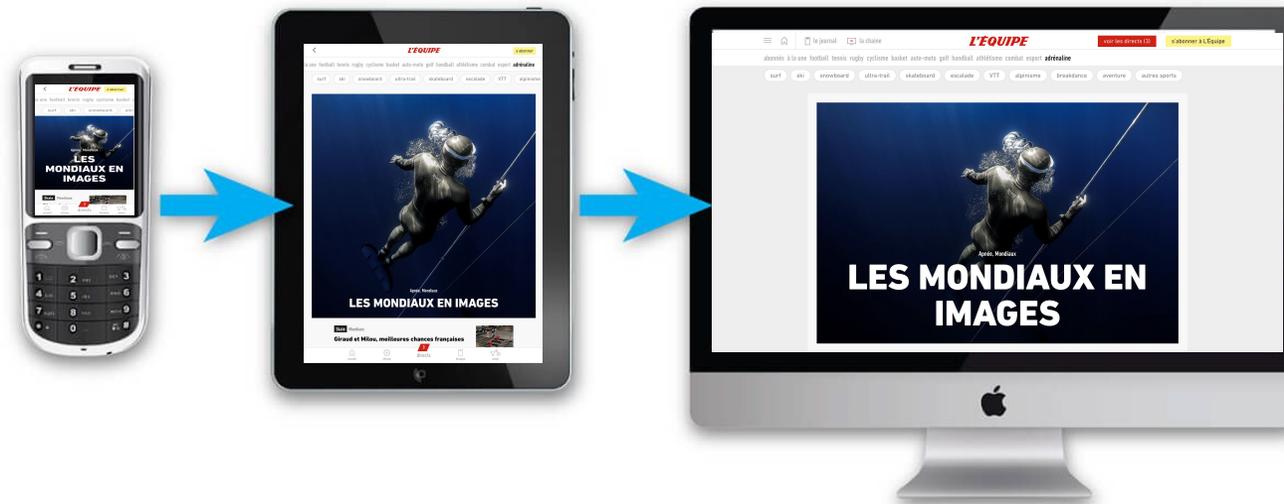


abonnés à la une football tennis rugby cyclisme basket auto-moto golf handball athlétisme combat esport **adrénaline**

- surf
- ski
- snowboard
- ultra-trail
- skateboard
- escalade
- VTT
- alpinisme
- breakdance
- aventure
- autres sports



# être responsive et progressive



**déterminer la qualité de la connexion**



# la network information API



The screenshot shows the Chrome DevTools Console with the 'Console' tab selected. The console displays the following output:

```
> navigator.connection
< NetworkInformation {downlink: 10, effectiveType: "4g", onchange: null, rtt: 50, saveData: false} ⓘ
  downlink: 10
  effectiveType: "4g"
  onchange: null
  rtt: 50
  saveData: false
  ▶ __proto__: NetworkInformation
```

The console interface includes a toolbar with icons for navigation, a search filter, and a 'Group similar' checkbox. The console output is color-coded: blue for property names, purple for values, and red for strings. An information icon (i) is visible next to the object name.

# la fonction getConnectionSpeed()

## **SLOW**

- effectiveType == slow-2G
- effectiveType == 2G
- saveData == true

## **MEDIUM**

- effectiveType == 3G
- Network API non supporté

## **FAST**

- effectiveType == 4G

## retour aux images



compression JPG 25  
pixelRatio 1



compression JPG 50  
pixelRatio 1 ou 2



compression JPG 100  
pixelRatio 1 ou 2

# et sur les vidéos ?



# graceful degradation du player



image de remplacement,  
pas d'embed chargé



embed vidéo sans  
autoplay



embed vidéo avec  
autoplay

**on applique le principe où l'on veut (ou peut...)**

## **SLOW**

- lazyload offset = 0
- pas de prefetch
- pas de scripts tiers
- pas de fonts
- etc.

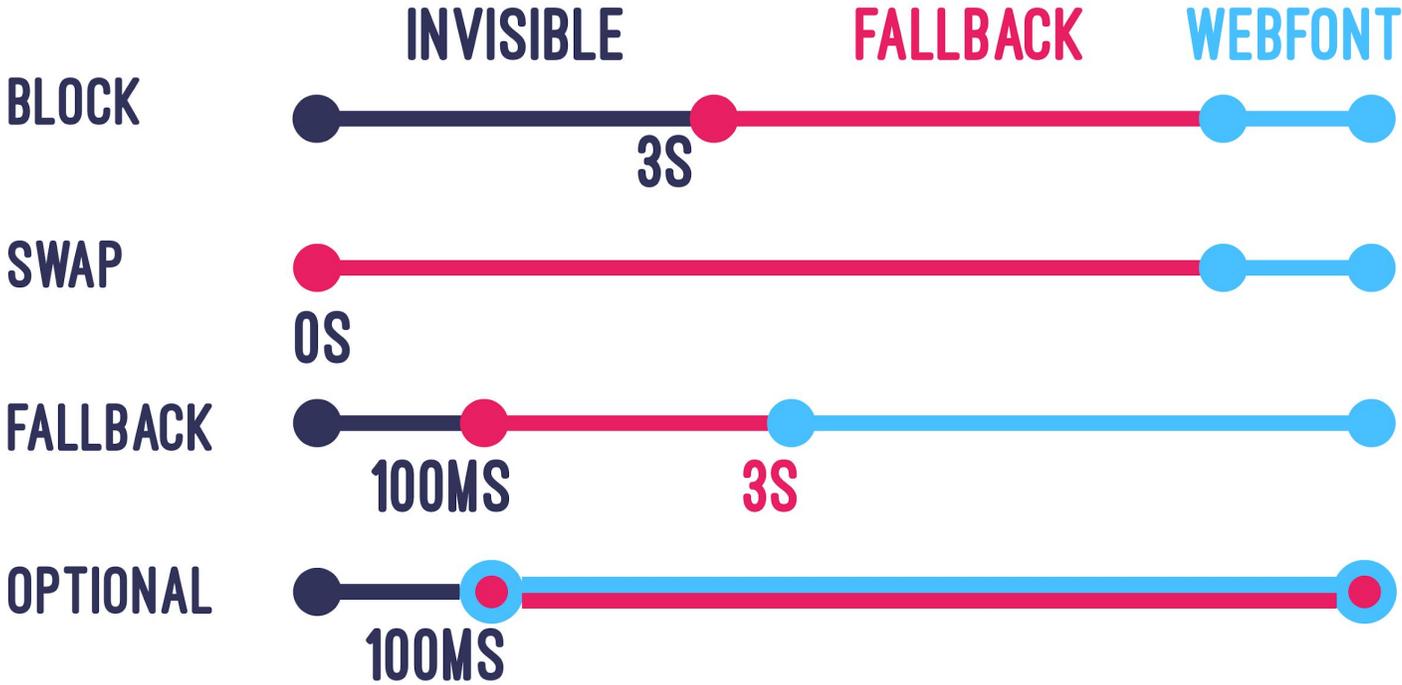
## **MEDIUM**

- lazyload offset = 100px
- prefetch au survol
- scripts tiers essentiels
- 1 font
- etc.

## **FAST**

- lazyload offset = 400px
- prefetch de tous les liens
- scripts tiers
- font + graisses
- etc.

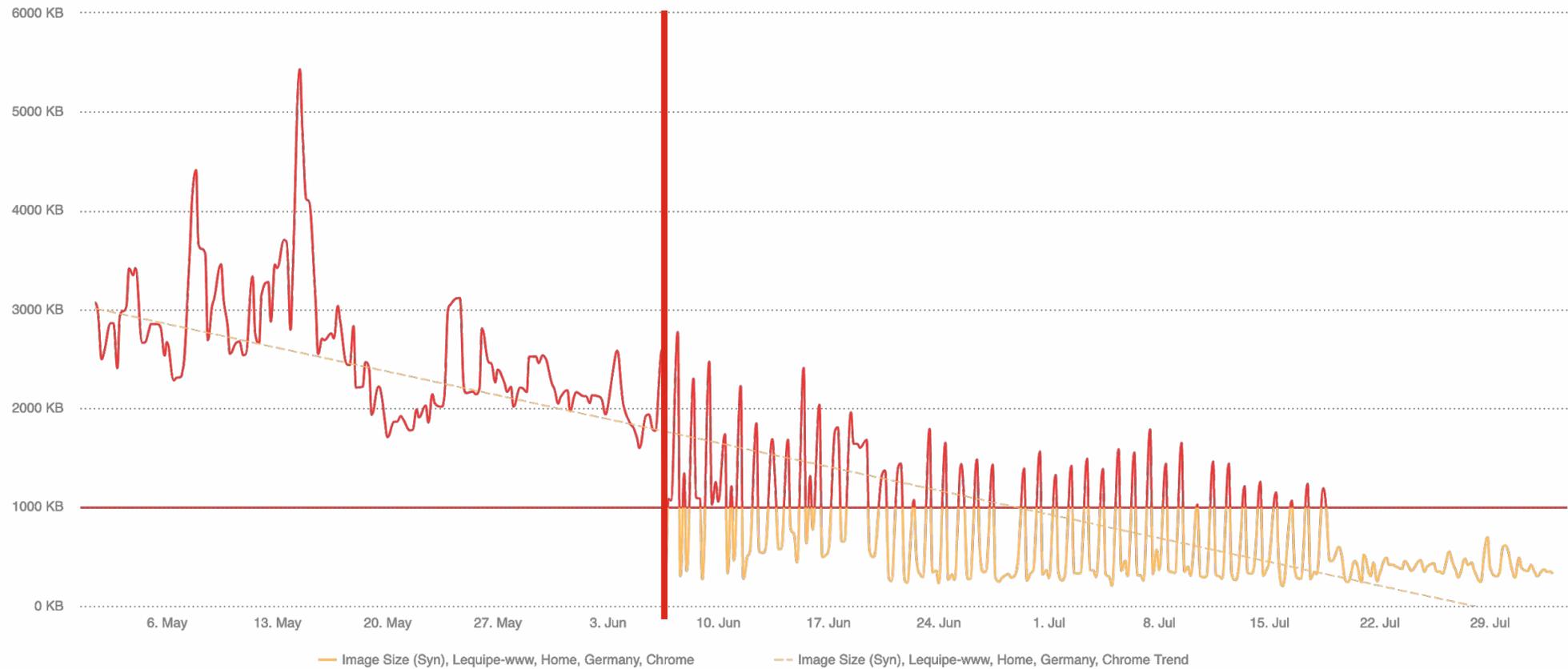
# la propriété CSS font-display



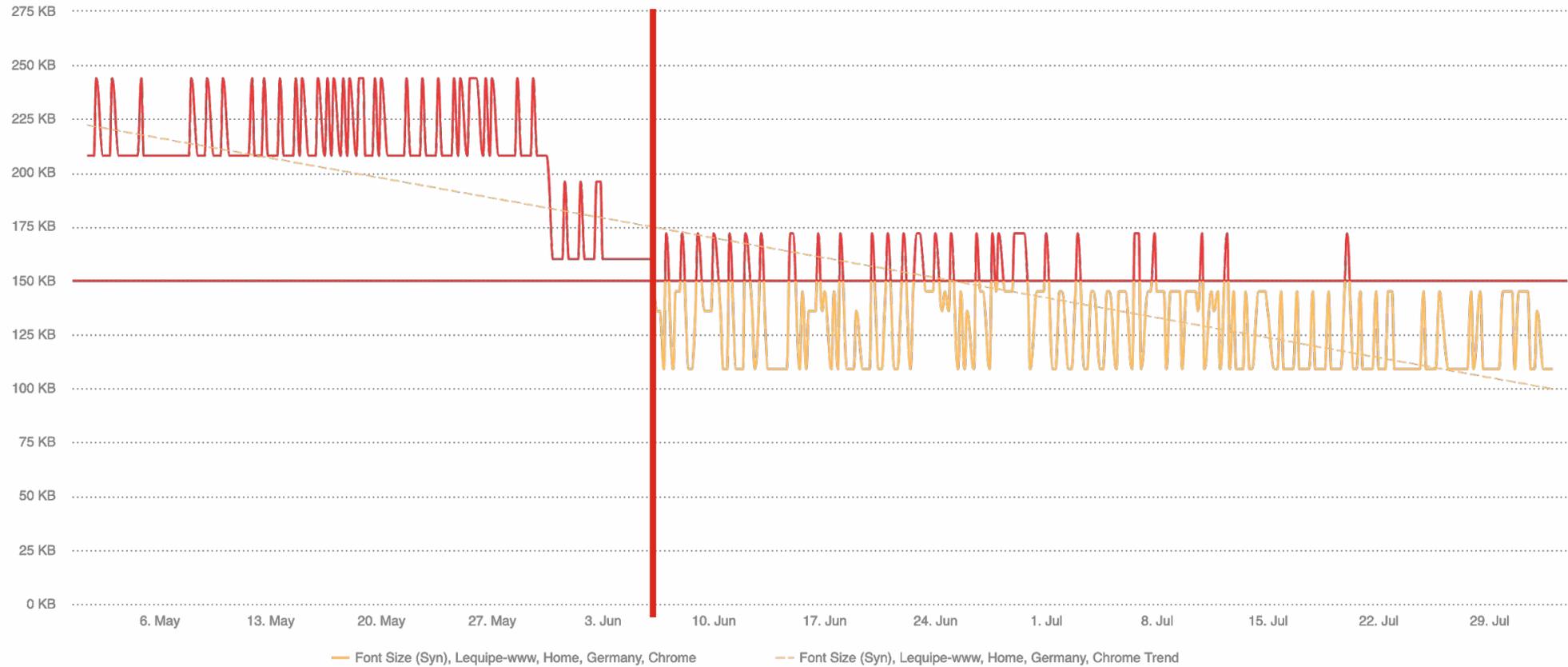
A solid red shape in the top-left corner of the page, consisting of a triangle with its hypotenuse extending diagonally from the top-left towards the bottom-right.

**metrics**

# chargement des images



# chargement des fonts



# temps de chargement



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