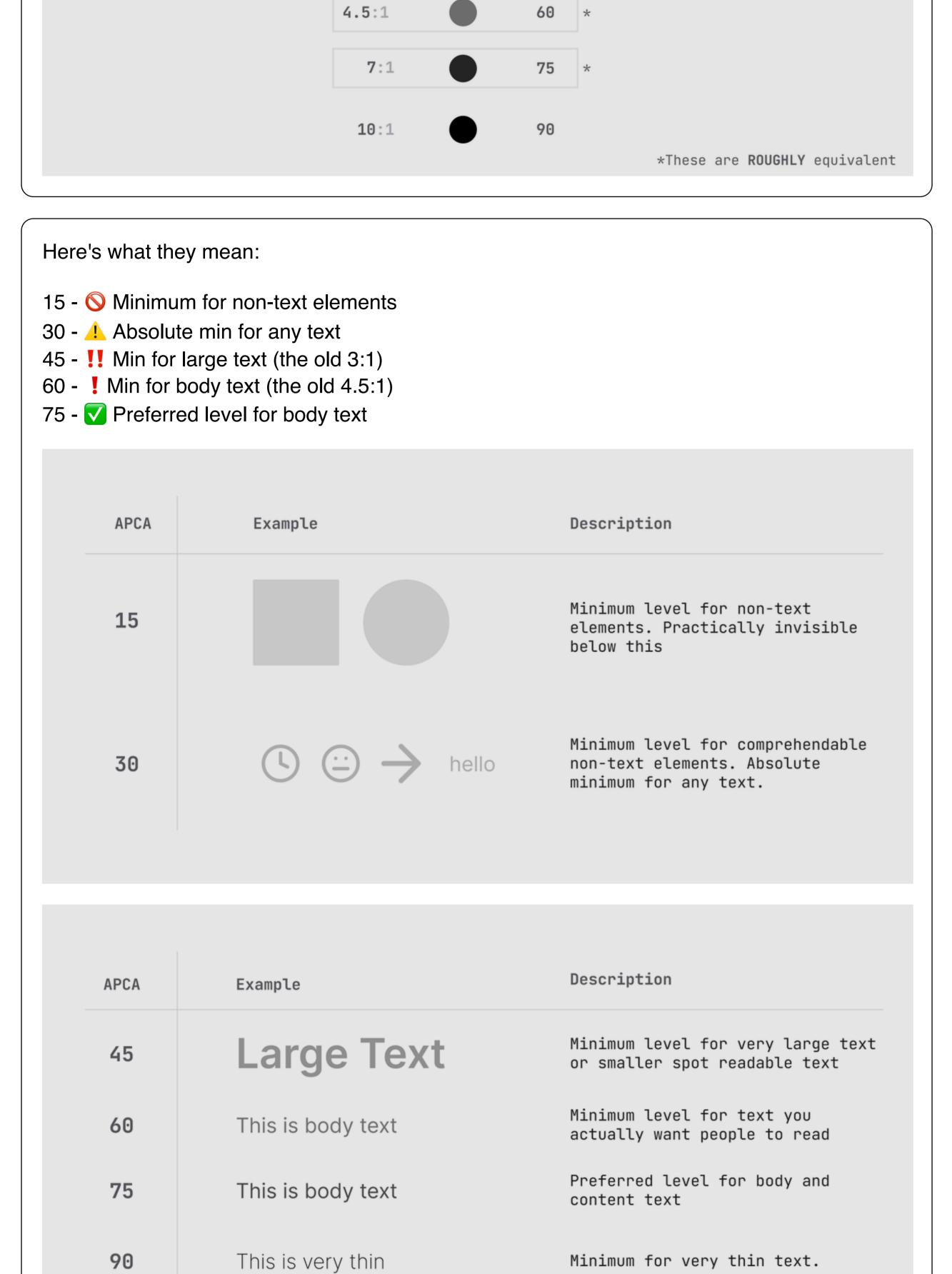
This thread was posted on twitter on Dec 9, <a>© DanHollick 2021 by WCAG 3 will use a new color contrast method called APCA (Advanced Perceptual Contrast Algorithm). It's a big improvement over the current system but there are a lot of changes to get your head around. Click me Click me Click me 2.9:1 4.5 : 1 2.9 : 1 WCAG 2 **FAIL PASS FAIL** 47 61 71 **APCA** LOW GOOD GOOD 1. The most obvious change is the new scoring system. The ratios are replaced by a level out of 100(ish). The higher the number, the higher the contrast. **APCA** WCAG 2 1.25:1 15

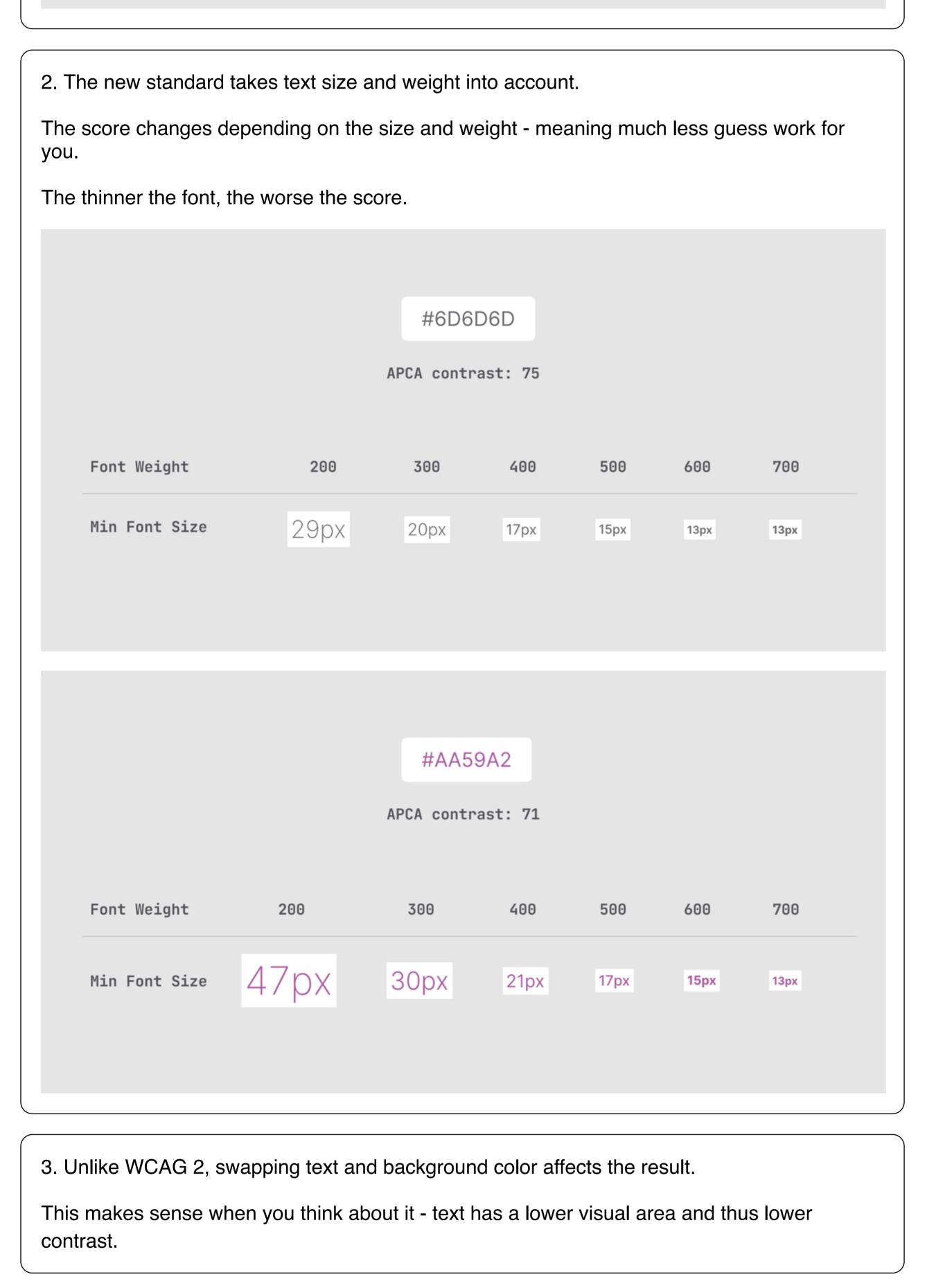
1.5:1

3:1

30

45 *





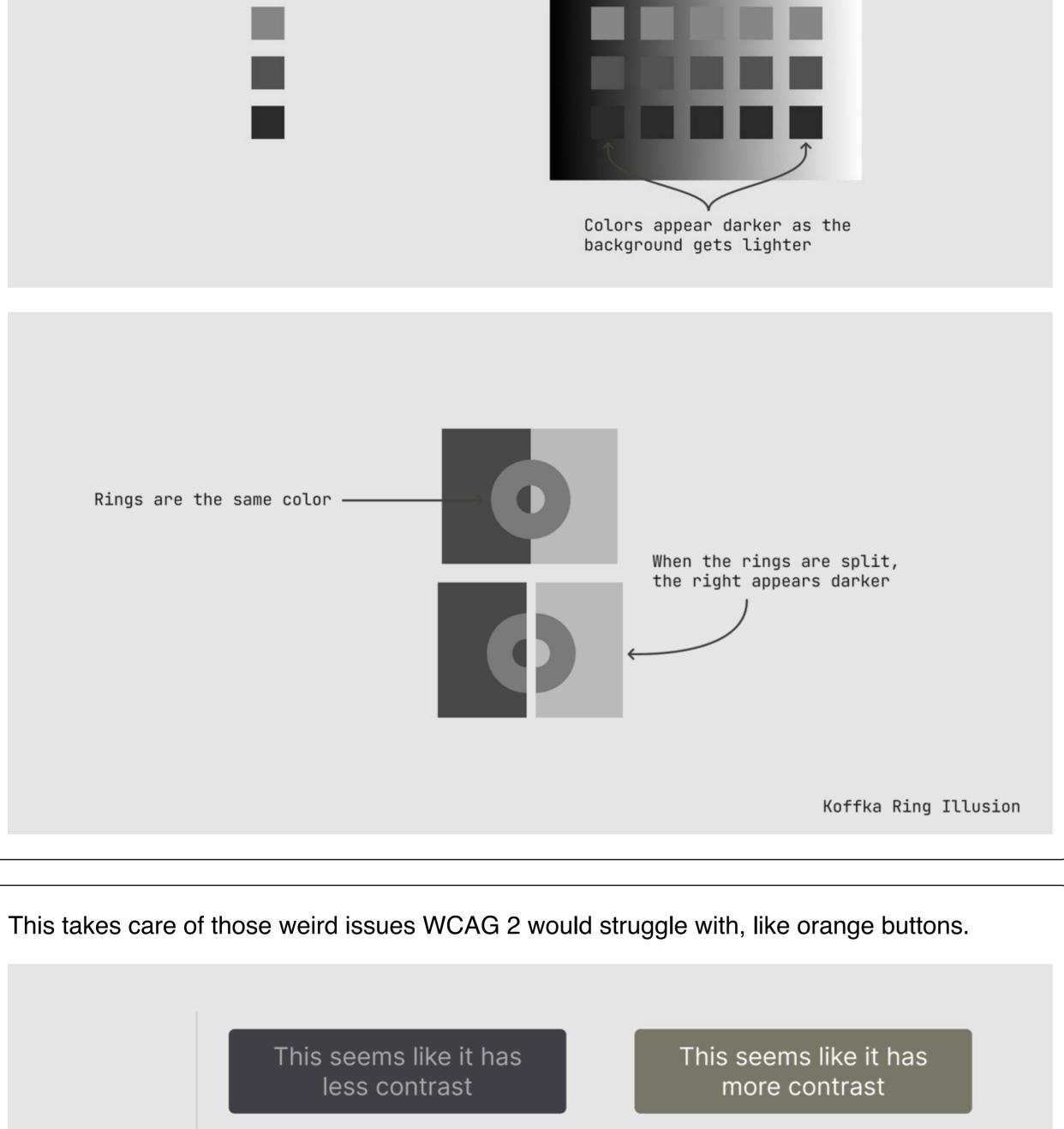
Humans don't perceive contrast linearly across hue and lightness and APCA takes this into account.

WCAG 2 modelled contrast mathematically.

Each row of blocks is

the same color

4. The APCA contrast calculation is perceptually uniform.





Also their piece explaining the benefits of APCA is great reading: github.com/Myndex/SAPC-AP...

Other tools are starting to use APCA, including huetone by oeardovalexey

huetone.ardov.me

myndex.com/APCA/simple

If you want to read a bit more about the problems with WCAG 2, I made a tweet thread about that here:

https://twitter.com/DanHollick/status/1417895151003865090

Note: In my exporting and cleaning up of this thread from twitter, via <u>Thread reader</u>, I found conflicting post dates. Dec 9 vs Dec 10. I've opted to keep the date from Thread Reader because twitter is, now famously, unreliable. Twitter also

said this was posted at 1:00 am, but I'm guessing that's something to do with localisation, so chose to omit that too.