

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

Hex(FFFF01) Hex(FFFFB3) Hex(FF0101) Hex(808052) Hex(000000) Hex(808080)

	Hex(FFFF01)	Hex(FFFFB3)	Hex(FF0101)	Hex(808052)	Hex(000000)	Hex(808080)
Hex(FFFF01)		Ratio: 1.03 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 3.81 AA 18pt ²	Ratio: 19.56 Passed ⁶	Ratio: 3.68 AA 18pt ²
Hex(FFFFB3)	Ratio: 1.03 Failed ⁵		Ratio: 3.84 AA 18pt ²	Ratio: 3.94 AA 18pt ²	Ratio: 20.21 Passed ⁶	Ratio: 3.80 AA 18pt ²
Hex(FF0101)	Ratio: 3.72 AA 18pt ²	Ratio: 3.84 AA 18pt ²		Ratio: 1.03 Failed ⁵	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 1.01 Failed ⁵
Hex(808052)	Ratio: 3.81 AA 18pt ²	Ratio: 3.94 AA 18pt ²	Ratio: 1.03 Failed ⁵		Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵
Hex(000000)	Ratio: 19.56 Passed ⁶	Ratio: 20.21 Passed ⁶	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 5.13 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.68 AA 18pt ²	Ratio: 3.80 AA 18pt ²	Ratio: 1.01 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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