

Converting Colors - WCAG Matrix

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

Hex(FA2900) Hex(FFBFB3) Hex(FA00D4) Hex(805952) Hex(FFFFFF) Hex(808080)

Hex(FA2900)		Ratio: 2.48 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 1.01 Failed ⁵
Hex(FFBFB3)	Ratio: 2.48 Failed ⁵		Ratio: 2.22 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 1.57 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(FA00D4)	Ratio: 1.12 Failed ⁵	Ratio: 2.22 Failed ⁵		Ratio: 1.73 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 1.13 Failed ⁵
Hex(805952)	Ratio: 1.55 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 1.73 Failed ⁵		Ratio: 6.05 AA ¹ AAA 18pt ⁴	Ratio: 1.53 Failed ⁵
Hex(FFFFFF)	Ratio: 3.90 AA 18pt ²	Ratio: 1.57 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 6.05 AA ¹ AAA 18pt ⁴		Ratio: 3.95 AA 18pt ²
Hex(808080)	Ratio: 1.01 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 3.95 AA 18pt ²	

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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