

Converting Colors - WCAG Matrix

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

	Hex(F0068)	Hex(DF051)	Hex(BE003A)	Hex(9E0025)	Hex(7F0011)	Hex(5F0004)	Hex(400003)	Hex(1D0001)	Hex(000000)
Hex(F0068)		Ratio: 1.28 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 4.47 AA 18pt ²	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 5.45 AA ¹ AAA 18pt ⁴
Hex(DF051)	Ratio: 1.28 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 4.04 AA 18pt ²	Ratio: 4.26 AA 18pt ²
Hex(BE003A)	Ratio: 1.68 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 3.25 AA 18pt ²
Hex(9E0025)	Ratio: 2.20 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.48 Failed ⁵
Hex(7F0011)	Ratio: 2.85 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(5F0004)	Ratio: 3.66 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(400003)	Ratio: 4.47 AA 18pt ²	Ratio: 3.49 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(1D0001)	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(000000)	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 4.26 AA 18pt ²	Ratio: 3.25 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.05 Failed ⁵	

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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