

Converting Colors - WCAG Matrix

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

Hex(F00F1D) Hex(CF0003) Hex(AE0000) Hex(8D0000) Hex(6D0002) Hex(4F0004) Hex(000000)

	Hex(F00F1D)	Hex(CF0003)	Hex(AE0000)	Hex(8D0000)	Hex(6D0002)	Hex(4F0004)	Hex(000000)
Hex(F00F1D)		Ratio: 1.31 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.59 AA 18pt ²	Ratio: 4.79 AA ¹ AAA 18pt ⁴
Hex(CF0003)	Ratio: 1.31 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.65 AA 18pt ²
Hex(AE0000)	Ratio: 1.71 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.80 Failed ⁵
Hex(8D0000)	Ratio: 2.25 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(6D0002)	Ratio: 2.90 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.65 Failed ⁵
Hex(4F0004)	Ratio: 3.59 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.33 Failed ⁵
Hex(000000)	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.33 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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