

Converting Colors - WCAG Matrix

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

	Hex(FE1E3F)	Hex(DE0029)	Hex(BD0014)	Hex(9C0000)	Hex(7C0001)	Hex(5C0003)	Hex(3D0003)	Hex(190001)	Hex(000000)
Hex(FE1E3F)		Ratio: 1.33 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 5.51 AA ¹ AAA 18pt ⁴
Hex(DE0029)	Ratio: 1.33 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 3.97 AA 18pt ²	Ratio: 4.14 AA 18pt ²
Hex(BD0014)	Ratio: 1.74 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.05 AA 18pt ²	Ratio: 3.17 AA 18pt ²
Hex(9C0000)	Ratio: 2.28 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(7C0001)	Ratio: 2.97 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.86 Failed ⁵
Hex(5C0003)	Ratio: 3.78 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(3D0003)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(190001)	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 3.97 AA 18pt ²	Ratio: 3.05 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(000000)	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 3.17 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.04 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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