

Converting Colors - WCAG Matrix

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

	Hex(EB7676)	Hex(CD5C5D)	Hex(AF4146)	Hex(91262F)	Hex(75031B)	Hex(580000)	Hex(3D0000)	Hex(1E0001)	Hex(000000)
Hex(EB7676)		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 7.00 Passed ⁶	Ratio: 7.39 Passed ⁶
Hex(CD5C5D)	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.41 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 5.28 AA ¹ AAA 18pt ⁴
Hex(AF4146)	Ratio: 2.01 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.47 AA 18pt ²	Ratio: 3.67 AA 18pt ²
Hex(91262F)	Ratio: 2.93 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.52 Failed ⁵
Hex(75031B)	Ratio: 4.14 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(580000)	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(3D0000)	Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 4.41 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.10 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(1E0001)	Ratio: 7.00 Passed ⁶	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.47 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 7.39 Passed ⁶	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 3.67 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.06 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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