

Converting Colors - WCAG Matrix

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

	Hex(EA929D)	Hex(CD7883)	Hex(B05E6A)	Hex(944552)	Hex(782C3B)	Hex(5D1325)	Hex(430011)	Hex(2D0002)	Hex(000000)
Hex(EA929D)		Ratio: 1.38 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.30 Passed ⁶	Ratio: 8.18 Passed ⁶	Ratio: 9.10 Passed ⁶
Hex(CD7883)	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 5.94 AA ¹ AAA 18pt ⁴	Ratio: 6.61 AA ¹ AAA 18pt ⁴
Hex(B05E6A)	Ratio: 1.95 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.18 AA 18pt ²	Ratio: 4.66 AA ¹ AAA 18pt ⁴
Hex(944552)	Ratio: 2.81 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.23 AA 18pt ²
Hex(782C3B)	Ratio: 4.09 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(5D1325)	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(430011)	Ratio: 7.30 Passed ⁶	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(2D0002)	Ratio: 8.18 Passed ⁶	Ratio: 5.94 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 9.10 Passed ⁶	Ratio: 6.61 AA ¹ AAA 18pt ⁴	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.11 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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