

Converting Colors - WCAG Matrix

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

	Hex(E5E1F2)	Hex(C9C5D6)	Hex(AEAABA)	Hex(938F9F)	Hex(797685)	Hex(605D6C)	Hex(494653)	Hex(322F3C)	Hex(1D1A27)	Hex(040012)
Hex(E5E1F2)		Ratio: 1.32 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 7.17 Passed ⁶	Ratio: 10.19 Passed ⁶	Ratio: 13.33 Passed ⁶	Ratio: 16.16 Passed ⁶
Hex(C9C5D6)	Ratio: 1.32 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 10.12 Passed ⁶	Ratio: 12.27 Passed ⁶
Hex(AEAABA)	Ratio: 1.77 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 7.53 Passed ⁶	Ratio: 9.13 Passed ⁶
Hex(938F9F)	Ratio: 2.46 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 6.58 AA ¹ AAA 18pt ⁴
Hex(797685)	Ratio: 3.45 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 4.68 AA ¹ AAA 18pt ⁴
Hex(605D6C)	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.23 AA 18pt ²
Hex(494653)	Ratio: 7.17 Passed ⁶	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(322F3C)	Ratio: 10.19 Passed ⁶	Ratio: 7.74 Passed ⁶	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(1D1A27)	Ratio: 13.33 Passed ⁶	Ratio: 10.12 Passed ⁶	Ratio: 7.53 Passed ⁶	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(040012)	Ratio: 16.16 Passed ⁶	Ratio: 12.27 Passed ⁶	Ratio: 9.13 Passed ⁶	Ratio: 6.58 AA ¹ AAA 18pt ⁴	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.21 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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