

Converting Colors - WCAG Matrix

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

	Hex(E3D3D8)	Hex(C7B7BC)	Hex(AC9DA1)	Hex(918387)	Hex(77696E)	Hex(5F5155)	Hex(473A3E)	Hex(302528)	Hex(1C1014)	Hex(000000)
Hex(E3D3D8)		Ratio: 1.33 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 7.50 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 12.86 Passed ⁶	Ratio: 14.58 Passed ⁶
Hex(C7B7BC)	Ratio: 1.33 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 9.64 Passed ⁶	Ratio: 10.93 Passed ⁶
Hex(AC9DA1)	Ratio: 1.80 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.14 Passed ⁶	Ratio: 8.09 Passed ⁶
Hex(918387)	Ratio: 2.51 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 5.80 AA ¹ AAA 18pt ⁴
Hex(77696E)	Ratio: 3.62 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 4.03 AA 18pt ²
Hex(5F5155)	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.79 Failed ⁵
Hex(473A3E)	Ratio: 7.50 Passed ⁶	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.94 Failed ⁵
Hex(302528)	Ratio: 10.26 Passed ⁶	Ratio: 7.69 Passed ⁶	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(1C1014)	Ratio: 12.86 Passed ⁶	Ratio: 9.64 Passed ⁶	Ratio: 7.14 Passed ⁶	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 3.56 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(000000)	Ratio: 14.58 Passed ⁶	Ratio: 10.93 Passed ⁶	Ratio: 8.09 Passed ⁶	Ratio: 5.80 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.13 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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