

Converting Colors - WCAG Matrix

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

	Hex(FAEBF0)	Hex(DDCFD4)	Hex(C1B3B8)	Hex(A6989D)	Hex(8C7F83)	Hex(72666A)	Hex(5A4E52)	Hex(42373B)	Hex(2C2125)	Hex(180B10)
Hex(FAEBF0)		Ratio: 1.31 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 6.88 AA ¹ AAA 18pt ⁴	Ratio: 9.89 Passed ⁶	Ratio: 13.47 Passed ⁶	Ratio: 16.64 Passed ⁶
Hex(DDCFD4)	Ratio: 1.31 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 7.58 Passed ⁶	Ratio: 10.32 Passed ⁶	Ratio: 12.75 Passed ⁶
Hex(C1B3B8)	Ratio: 1.75 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.51 Passed ⁶
Hex(A6989D)	Ratio: 2.40 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 6.95 AA ¹ AAA 18pt ⁴
Hex(8C7F83)	Ratio: 3.32 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴
Hex(72666A)	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.49 AA 18pt ²
Hex(5A4E52)	Ratio: 6.88 AA ¹ AAA 18pt ⁴	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.42 Failed ⁵
Hex(42373B)	Ratio: 9.89 Passed ⁶	Ratio: 7.58 Passed ⁶	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(2C2125)	Ratio: 13.47 Passed ⁶	Ratio: 10.32 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.24 Failed ⁵
Hex(180B10)	Ratio: 16.64 Passed ⁶	Ratio: 12.75 Passed ⁶	Ratio: 9.51 Passed ⁶	Ratio: 6.95 AA ¹ AAA 18pt ⁴	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.49 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.24 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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