

Converting Colors - WCAG Matrix

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

	Hex(FDFAFF)	Hex(E0DDE2)	Hex(C4C2C6)	Hex(A9A6AB)	Hex(8E8C91)	Hex(757377)	Hex(5C5A5E)	Hex(454347)	Hex(2E2D30)	Hex(1A181B)
Hex(FDFAFF)		Ratio: 1.30 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 9.45 Passed ⁶	Ratio: 13.23 Passed ⁶	Ratio: 17.05 Passed ⁶
Hex(E0DDE2)	Ratio: 1.30 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 7.27 Passed ⁶	Ratio: 10.17 Passed ⁶	Ratio: 13.11 Passed ⁶
Hex(C4C2C6)	Ratio: 1.71 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 9.98 Passed ⁶
Hex(A9A6AB)	Ratio: 2.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.33 Passed ⁶
Hex(8E8C91)	Ratio: 3.22 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴
Hex(757377)	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.49 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.76 AA 18pt ²
Hex(5C5A5E)	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.59 Failed ⁵
Hex(454347)	Ratio: 9.45 Passed ⁶	Ratio: 7.27 Passed ⁶	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(2E2D30)	Ratio: 13.23 Passed ⁶	Ratio: 10.17 Passed ⁶	Ratio: 7.74 Passed ⁶	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(1A181B)	Ratio: 17.05 Passed ⁶	Ratio: 13.11 Passed ⁶	Ratio: 9.98 Passed ⁶	Ratio: 7.33 Passed ⁶	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.29 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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