

Converting Colors - WCAG Matrix

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

Hex(353131) Hex(FFFFFF) Hex(645F5F) Hex(7D7877) Hex(979191) Hex(B1ACAB) Hex(CDC7C7) Hex(E9E3E3)

	Hex(353131)	Hex(FFFFFF)	Hex(645F5F)	Hex(7D7877)	Hex(979191)	Hex(B1ACAB)	Hex(CDC7C7)	Hex(E9E3E3)
Hex(353131)		Ratio: 12.84 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 10.13 Passed ⁶
Hex(FFFFFF)	Ratio: 12.84 Passed ⁶		Ratio: 6.28 AA ¹ AAA 18pt ⁴	Ratio: 4.35 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(645F5F)	Ratio: 2.05 Failed ⁵	Ratio: 6.28 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴
Hex(7D7877)	Ratio: 2.95 Failed ⁵	Ratio: 4.35 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.43 AA 18pt ²
Hex(979191)	Ratio: 4.14 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(B1ACAB)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 2.24 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(CDC7C7)	Ratio: 7.70 Passed ⁶	Ratio: 1.67 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(E9E3E3)	Ratio: 10.13 Passed ⁶	Ratio: 1.27 Failed ⁵	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.32 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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