

Converting Colors - WCAG Matrix

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

	Hex(282B2B)	Hex(FFFFFF)	Hex(555959)	Hex(6E7171)	Hex(878B8B)	Hex(A1A5A5)	Hex(BCC0C0)	Hex(D8DCDC)	Hex(F4F8F8)
Hex(282B2B)		Ratio: 14.28 Passed ⁶	Ratio: 2.01 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.78 Passed ⁶	Ratio: 10.33 Passed ⁶	Ratio: 13.35 Passed ⁶
Hex(FFFFFF)	Ratio: 14.28 Passed ⁶		Ratio: 7.10 Passed ⁶	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.07 Failed ⁵
Hex(555959)	Ratio: 2.01 Failed ⁵	Ratio: 7.10 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 6.63 AA ¹ AAA 18pt ⁴
Hex(6E7171)	Ratio: 2.90 Failed ⁵	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴
Hex(878B8B)	Ratio: 4.15 AA 18pt ²	Ratio: 3.44 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.22 AA 18pt ²
Hex(A1A5A5)	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 2.49 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(BCC0C0)	Ratio: 7.78 Passed ⁶	Ratio: 1.84 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(D8DCDC)	Ratio: 10.33 Passed ⁶	Ratio: 1.38 Failed ⁵	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.56 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(F4F8F8)	Ratio: 13.35 Passed ⁶	Ratio: 1.07 Failed ⁵	Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 3.22 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.72 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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