

Converting Colors - WCAG Matrix

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

Hex(555657) Hex(FFFFFF) Hex(878788) Hex(A1A2A3) Hex(BCBDBE) Hex(D7D8D9) Hex(F4F5F6)

	Hex(555657)	Hex(FFFFFF)	Hex(878788)	Hex(A1A2A3)	Hex(BCBDBE)	Hex(D7D8D9)	Hex(F4F5F6)
Hex(555657)		Ratio: 7.36 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 6.74 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 7.36 Passed ⁶		Ratio: 3.59 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(878788)	Ratio: 2.05 Failed ⁵	Ratio: 3.59 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.29 AA 18pt ²
Hex(A1A2A3)	Ratio: 2.88 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(BCBDBE)	Ratio: 3.91 AA 18pt ²	Ratio: 1.88 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(D7D8D9)	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(F4F5F6)	Ratio: 6.74 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.31 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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