

Converting Colors - WCAG Matrix

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

	Hex(373D3E)	Hex(FFFFFF)	Hex(666C6D)	Hex(7F8587)	Hex(999FA1)	Hex(B3BABC)	Hex(CFD6D8)	Hex(EBF2F4)
Hex(373D3E)		Ratio: 11.05 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.51 Passed ⁶	Ratio: 9.76 Passed ⁶
Hex(FFFFFF)	Ratio: 11.05 Passed ⁶		Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(666C6D)	Ratio: 2.07 Failed ⁵	Ratio: 5.34 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴
Hex(7F8587)	Ratio: 2.95 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.31 AA 18pt ²
Hex(999FA1)	Ratio: 4.12 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(B3BABC)	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 1.97 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(CFD6D8)	Ratio: 7.51 Passed ⁶	Ratio: 1.47 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.30 Failed ⁵
Hex(EBF2F4)	Ratio: 9.76 Passed ⁶	Ratio: 1.13 Failed ⁵	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 3.31 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.30 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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