

Converting Colors - WCAG Matrix

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

	Hex(141315)	Hex(F4F3F6)	Hex(3E3D3F)	Hex(555456)	Hex(6E6D6F)	Hex(878688)	Hex(A1A0A2)	Hex(BCBBBD)	Hex(D8D7D9)
Hex(141315)		Ratio: 16.76 Passed ⁶	Ratio: 1.71 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 7.11 Passed ⁶	Ratio: 9.69 Passed ⁶	Ratio: 12.91 Passed ⁶
Hex(F4F3F6)	Ratio: 16.76 Passed ⁶		Ratio: 9.77 Passed ⁶	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 3.28 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(3E3D3F)	Ratio: 1.71 Failed ⁵	Ratio: 9.77 Passed ⁶		Ratio: 1.43 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 7.53 Passed ⁶
Hex(555456)	Ratio: 2.46 Failed ⁵	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.25 AA ¹ AAA 18pt ⁴
Hex(6E6D6F)	Ratio: 3.60 AA 18pt ²	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 2.10 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.59 AA 18pt ²
Hex(878688)	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.28 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.53 Failed ⁵
Hex(A1A0A2)	Ratio: 7.11 Passed ⁶	Ratio: 2.36 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(BCBBBD)	Ratio: 9.69 Passed ⁶	Ratio: 1.73 Failed ⁵	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.33 Failed ⁵
Hex(D8D7D9)	Ratio: 12.91 Passed ⁶	Ratio: 1.30 Failed ⁵	Ratio: 7.53 Passed ⁶	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 3.59 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 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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