

Converting Colors - WCAG Matrix

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

	Hex(F3FAF4)	Hex(D7DDD8)	Hex(BBC2BC)	Hex(A0A6A1)	Hex(868C87)	Hex(6C736E)	Hex(545A55)	Hex(3D433E)	Hex(272D28)	Hex(131814)
Hex(F3FAF4)		Ratio: 1.30 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 9.56 Passed ⁶	Ratio: 13.26 Passed ⁶	Ratio: 16.94 Passed ⁶
Hex(D7DDD8)	Ratio: 1.30 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 7.35 Passed ⁶	Ratio: 10.20 Passed ⁶	Ratio: 13.03 Passed ⁶
Hex(BBC2BC)	Ratio: 1.71 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 9.89 Passed ⁶
Hex(A0A6A1)	Ratio: 2.34 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.24 Passed ⁶
Hex(868C87)	Ratio: 3.24 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.23 AA ¹ AAA 18pt ⁴
Hex(6C736E)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.69 AA 18pt ²
Hex(545A55)	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.54 Failed ⁵
Hex(3D433E)	Ratio: 9.56 Passed ⁶	Ratio: 7.35 Passed ⁶	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(272D28)	Ratio: 13.26 Passed ⁶	Ratio: 10.20 Passed ⁶	Ratio: 7.74 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(131814)	Ratio: 16.94 Passed ⁶	Ratio: 13.03 Passed ⁶	Ratio: 9.89 Passed ⁶	Ratio: 7.24 Passed ⁶	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.28 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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