

Converting Colors - WCAG Matrix

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

	Hex(D7D9CE)	Hex(BBBEB3)	Hex(A0A298)	Hex(86887E)	Hex(6D6F65)	Hex(54574D)	Hex(3D3F36)	Hex(272921)	Hex(13150A)	Hex(000000)
Hex(D7D9CE)		Ratio: 1.32 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 7.49 Passed ⁶	Ratio: 10.32 Passed ⁶	Ratio: 12.91 Passed ⁶	Ratio: 14.71 Passed ⁶
Hex(BBBEB3)	Ratio: 1.32 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.81 Passed ⁶	Ratio: 9.77 Passed ⁶	Ratio: 11.13 Passed ⁶
Hex(A0A298)	Ratio: 1.81 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.12 Passed ⁶	Ratio: 8.12 Passed ⁶
Hex(86887E)	Ratio: 2.52 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 5.84 AA ¹ AAA 18pt ⁴
Hex(6D6F65)	Ratio: 3.58 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 4.11 AA 18pt ²
Hex(54574D)	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.85 Failed ⁵
Hex(3D3F36)	Ratio: 7.49 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.96 Failed ⁵
Hex(272921)	Ratio: 10.32 Passed ⁶	Ratio: 7.81 Passed ⁶	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(13150A)	Ratio: 12.91 Passed ⁶	Ratio: 9.77 Passed ⁶	Ratio: 7.12 Passed ⁶	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 3.61 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(000000)	Ratio: 14.71 Passed ⁶	Ratio: 11.13 Passed ⁶	Ratio: 8.12 Passed ⁶	Ratio: 5.84 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.14 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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