

Converting Colors - WCAG Matrix

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

	Hex(D2C6B1)	Hex(B6AB96)	Hex(9B907C)	Hex(817763)	Hex(685E4B)	Hex(4F4635)	Hex(38301F)	Hex(231B08)	Hex(030100)	Hex(000000)
Hex(D2C6B1)		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 10.11 Passed ⁶	Ratio: 12.35 Passed ⁶	Ratio: 12.45 Passed ⁶
Hex(B6AB96)	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 7.51 Passed ⁶	Ratio: 9.18 Passed ⁶	Ratio: 9.25 Passed ⁶
Hex(9B907C)	Ratio: 1.87 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 6.67 AA ¹ AAA 18pt ⁴
Hex(817763)	Ratio: 2.62 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 4.75 AA ¹ AAA 18pt ⁴
Hex(685E4B)	Ratio: 3.78 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 3.29 AA 18pt ²
Hex(4F4635)	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(38301F)	Ratio: 7.73 Passed ⁶	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(231B08)	Ratio: 10.11 Passed ⁶	Ratio: 7.51 Passed ⁶	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(030100)	Ratio: 12.35 Passed ⁶	Ratio: 9.18 Passed ⁶	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 12.45 Passed ⁶	Ratio: 9.25 Passed ⁶	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.01 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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