

Converting Colors - WCAG Matrix

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

	Hex(D3BEBE)	Hex(B7A3A3)	Hex(9C8989)	Hex(826F6F)	Hex(695757)	Hex(514040)	Hex(392A2A)	Hex(241515)	Hex(050000)	Hex(000000)
Hex(D3BEBE)		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.96 Passed ⁶	Ratio: 11.80 Passed ⁶	Ratio: 11.88 Passed ⁶
Hex(B7A3A3)	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.36 Passed ⁶	Ratio: 8.73 Passed ⁶	Ratio: 8.78 Passed ⁶
Hex(9C8989)	Ratio: 1.87 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 6.31 AA ¹ AAA 18pt ⁴	Ratio: 6.35 AA ¹ AAA 18pt ⁴
Hex(826F6F)	Ratio: 2.67 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.42 AA 18pt ²	Ratio: 4.45 AA 18pt ²
Hex(695757)	Ratio: 3.83 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.10 AA 18pt ²
Hex(514040)	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(392A2A)	Ratio: 7.72 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(241515)	Ratio: 9.96 Passed ⁶	Ratio: 7.36 Passed ⁶	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(050000)	Ratio: 11.80 Passed ⁶	Ratio: 8.73 Passed ⁶	Ratio: 6.31 AA ¹ AAA 18pt ⁴	Ratio: 4.42 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.14 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 11.88 Passed ⁶	Ratio: 8.78 Passed ⁶	Ratio: 6.35 AA ¹ AAA 18pt ⁴	Ratio: 4.45 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.19 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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