

Converting Colors - WCAG Matrix

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

	Hex(DBBDAB)	Hex(BFA38F)	Hex(A38778)	Hex(8A6E5E)	Hex(705745)	Hex(574030)	Hex(3D291C)	Hex(291400)	Hex(050000)	Hex(000000)
Hex(DBBDAB)		Ratio: 1.34 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 7.75 Passed ⁶	Ratio: 9.95 Passed ⁶	Ratio: 11.80 Passed ⁶	Ratio: 11.88 Passed ⁶
Hex(BFA38F)	Ratio: 1.34 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 7.41 Passed ⁶	Ratio: 8.79 Passed ⁶	Ratio: 8.85 Passed ⁶
Hex(A38778)	Ratio: 1.89 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 6.25 AA ¹ AAA 18pt ⁴	Ratio: 6.29 AA ¹ AAA 18pt ⁴
Hex(8A6E5E)	Ratio: 2.66 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 4.44 AA 18pt ²	Ratio: 4.47 AA 18pt ²
Hex(705745)	Ratio: 3.79 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.14 AA 18pt ²
Hex(574030)	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.18 Failed ⁵
Hex(3D291C)	Ratio: 7.75 Passed ⁶	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(291400)	Ratio: 9.95 Passed ⁶	Ratio: 7.41 Passed ⁶	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(050000)	Ratio: 11.80 Passed ⁶	Ratio: 8.79 Passed ⁶	Ratio: 6.25 AA ¹ AAA 18pt ⁴	Ratio: 4.44 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.17 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 11.88 Passed ⁶	Ratio: 8.85 Passed ⁶	Ratio: 6.29 AA ¹ AAA 18pt ⁴	Ratio: 4.47 AA 18pt ²	Ratio: 3.14 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.53 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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