

Converting Colors - WCAG Matrix

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

	Hex(D3B6A8)	Hex(B79B8E)	Hex(9C8174)	Hex(82685B)	Hex(685044)	Hex(4F392E)	Hex(382319)	Hex(230E00)	Hex(000000)
Hex(D3B6A8)		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 7.75 Passed ⁶	Ratio: 9.72 Passed ⁶	Ratio: 11.03 Passed ⁶
Hex(B79B8E)	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.14 Passed ⁶	Ratio: 8.09 Passed ⁶
Hex(9C8174)	Ratio: 1.90 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 5.81 AA ¹ AAA 18pt ⁴
Hex(82685B)	Ratio: 2.70 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.08 AA 18pt ²
Hex(685044)	Ratio: 3.91 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.82 Failed ⁵
Hex(4F392E)	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.96 Failed ⁵
Hex(382319)	Ratio: 7.75 Passed ⁶	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(230E00)	Ratio: 9.72 Passed ⁶	Ratio: 7.14 Passed ⁶	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(000000)	Ratio: 11.03 Passed ⁶	Ratio: 8.09 Passed ⁶	Ratio: 5.81 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.13 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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