

Converting Colors - WCAG Matrix

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

	Hex(D6BDC1)	Hex(BAA2A6)	Hex(9F888C)	Hex(856E72)	Hex(6B565A)	Hex(533F42)	Hex(3C292C)	Hex(261418)	Hex(0B0000)	Hex(000000)
Hex(D6BDC1)		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.96 Passed ⁶	Ratio: 11.74 Passed ⁶	Ratio: 11.91 Passed ⁶
Hex(BAA2A6)	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.37 Passed ⁶	Ratio: 8.68 Passed ⁶	Ratio: 8.81 Passed ⁶
Hex(9F888C)	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: 4.12 AA 18pt ²	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 6.29 AA ¹ AAA 18pt ⁴	Ratio: 6.37 AA ¹ AAA 18pt ⁴
Hex(856E72)	Ratio: 2.66 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 4.41 AA 18pt ²	Ratio: 4.47 AA 18pt ²
Hex(6B565A)	Ratio: 3.84 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.10 AA 18pt ²
Hex(533F42)	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(3C292C)	Ratio: 7.70 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(261418)	Ratio: 9.96 Passed ⁶	Ratio: 7.37 Passed ⁶	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(0B0000)	Ratio: 11.74 Passed ⁶	Ratio: 8.68 Passed ⁶	Ratio: 6.29 AA ¹ AAA 18pt ⁴	Ratio: 4.41 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 11.91 Passed ⁶	Ratio: 8.81 Passed ⁶	Ratio: 6.37 AA ¹ AAA 18pt ⁴	Ratio: 4.47 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.20 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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