

Converting Colors - WCAG Matrix

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

	Hex(D0D9DD)	Hex(B4BDC1)	Hex(9AA2A6)	Hex(80888C)	Hex(676F72)	Hex(4F565A)	Hex(383F42)	Hex(22292C)	Hex(0D1518)	Hex(000000)
Hex(D0D9DD)		Ratio: 1.33 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 7.48 Passed ⁶	Ratio: 10.31 Passed ⁶	Ratio: 12.88 Passed ⁶	Ratio: 14.65 Passed ⁶
Hex(B4BDC1)	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 9.66 Passed ⁶	Ratio: 10.99 Passed ⁶
Hex(9AA2A6)	Ratio: 1.81 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.11 Passed ⁶	Ratio: 8.09 Passed ⁶
Hex(80888C)	Ratio: 2.52 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 5.82 AA ¹ AAA 18pt ⁴
Hex(676F72)	Ratio: 3.58 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.09 AA 18pt ²
Hex(4F565A)	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.81 Failed ⁵
Hex(383F42)	Ratio: 7.48 Passed ⁶	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.96 Failed ⁵
Hex(22292C)	Ratio: 10.31 Passed ⁶	Ratio: 7.73 Passed ⁶	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(0D1518)	Ratio: 12.88 Passed ⁶	Ratio: 9.66 Passed ⁶	Ratio: 7.11 Passed ⁶	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(000000)	Ratio: 14.65 Passed ⁶	Ratio: 10.99 Passed ⁶	Ratio: 8.09 Passed ⁶	Ratio: 5.82 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.14 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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