

Converting Colors - WCAG Matrix

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

	Hex(0F574B)	Hex(FFFFFF)	Hex(48897C)	Hex(62A495)	Hex(7DBFB0)	Hex(98DBCC)	Hex(B4F8E8)	Hex(D0FFFF)	Hex(EDFFFF)
Hex(0F574B)		Ratio: 8.45 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 7.05 Passed ⁶	Ratio: 7.82 Passed ⁶	Ratio: 8.19 Passed ⁶
Hex(FFFFFF)	Ratio: 8.45 Passed ⁶		Ratio: 4.08 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(48897C)	Ratio: 2.07 Failed ⁵	Ratio: 4.08 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 3.78 AA 18pt ²	Ratio: 3.96 AA 18pt ²
Hex(62A495)	Ratio: 2.92 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 2.80 Failed ⁵
Hex(7DBFB0)	Ratio: 4.00 AA 18pt ²	Ratio: 2.11 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(98DBCC)	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 1.57 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(B4F8E8)	Ratio: 7.05 Passed ⁶	Ratio: 1.20 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(D0FFFF)	Ratio: 7.82 Passed ⁶	Ratio: 1.08 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(EDFFFF)	Ratio: 8.19 Passed ⁶	Ratio: 1.03 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.05 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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