

Converting Colors - WCAG Matrix

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

	Hex(144747)	Hex(FFFFFF)	Hex(477877)	Hex(619191)	Hex(7BACAB)	Hex(95C7C7)	Hex(B1E4E3)	Hex(CDFFFF)	Hex(E9FFFF)
Hex(144747)		Ratio: 10.39 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 7.46 Passed ⁶	Ratio: 9.57 Passed ⁶	Ratio: 10.00 Passed ⁶
Hex(FFFFFF)	Ratio: 10.39 Passed ⁶		Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(477877)	Ratio: 2.09 Failed ⁵	Ratio: 4.98 AA ¹ AAA 18pt ⁴		Ratio: 1.41 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 4.58 AA ¹ AAA 18pt ⁴	Ratio: 4.79 AA ¹ AAA 18pt ⁴
Hex(619191)	Ratio: 2.95 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 1.41 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 3.39 AA 18pt ²
Hex(7BACAB)	Ratio: 4.12 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(95C7C7)	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 1.86 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(B1E4E3)	Ratio: 7.46 Passed ⁶	Ratio: 1.39 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(CDFFFF)	Ratio: 9.57 Passed ⁶	Ratio: 1.09 Failed ⁵	Ratio: 4.58 AA ¹ AAA 18pt ⁴	Ratio: 3.24 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(E9FFFF)	Ratio: 10.00 Passed ⁶	Ratio: 1.04 Failed ⁵	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.04 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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