

Converting Colors - WCAG Matrix

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

	Hex(FFFFFF)	Hex(FEFFFF)	Hex(E1FFFF)	Hex(C4FDFF)	Hex(A8E0F8)	Hex(8CC4DC)	Hex(71A9C0)	Hex(568FA5)	Hex(3B758B)	Hex(1D5C71)
Hex(FFFFFF)		Ratio: 1.00 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 7.44 Passed ⁶
Hex(FEFFFF)	Ratio: 1.00 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 7.43 Passed ⁶
Hex(E1FFFF)	Ratio: 1.05 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 7.07 Passed ⁶
Hex(C4FDFF)	Ratio: 1.11 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 3.21 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 6.68 AA ¹ AAA 18pt ⁴
Hex(A8E0F8)	Ratio: 1.43 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴
Hex(8CC4DC)	Ratio: 1.90 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.91 AA 18pt ²
Hex(71A9C0)	Ratio: 2.58 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.88 Failed ⁵
Hex(568FA5)	Ratio: 3.58 AA 18pt ²	Ratio: 3.57 AA 18pt ²	Ratio: 3.40 AA 18pt ²	Ratio: 3.21 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(3B758B)	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵
Hex(1D5C71)	Ratio: 7.44 Passed ⁶	Ratio: 7.43 Passed ⁶	Ratio: 7.07 Passed ⁶	Ratio: 6.68 AA ¹ AAA 18pt ⁴	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 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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