

Converting Colors - WCAG Matrix

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

	Hex(316363)	Hex(4A7C7C)	Hex(649696)	Hex(7EB1B0)	Hex(99CCCC)	Hex(B4E8E8)	Hex(D0FFFF)	Hex(EDFFFF)	Hex(FFFFFF)
Hex(316363)		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 6.28 AA ¹ AAA 18pt ⁴	Ratio: 6.57 AA ¹ AAA 18pt ⁴	Ratio: 6.78 AA ¹ AAA 18pt ⁴
Hex(4A7C7C)	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 4.35 AA 18pt ²	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 4.70 AA ¹ AAA 18pt ⁴
Hex(649696)	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.21 AA 18pt ²	Ratio: 3.31 AA 18pt ²
Hex(7EB1B0)	Ratio: 2.84 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.39 Failed ⁵
Hex(99CCCC)	Ratio: 3.83 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(B4E8E8)	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(D0FFFF)	Ratio: 6.28 AA ¹ AAA 18pt ⁴	Ratio: 4.35 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(EDFFFF)	Ratio: 6.57 AA ¹ AAA 18pt ⁴	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(FFFFFF)	Ratio: 6.78 AA ¹ AAA 18pt ⁴	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 3.31 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 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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