

Converting Colors - WCAG Matrix

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

	Hex(3B6161)	Hex(FFFFFF)	Hex(6D9494)	Hex(86AEAE)	Hex(A1CAC9)	Hex(BCE6E6)	Hex(D9FFFF)	Hex(F5FFFF)
Hex(3B6161)		Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 2.06 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 6.42 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.84 AA ¹ AAA 18pt ⁴		Ratio: 3.33 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(6D9494)	Ratio: 2.06 Failed ⁵	Ratio: 3.33 AA 18pt ²		Ratio: 1.37 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.27 AA 18pt ²
Hex(86AEAE)	Ratio: 2.83 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(A1CAC9)	Ratio: 3.85 AA 18pt ²	Ratio: 1.78 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(BCE6E6)	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 1.35 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(D9FFFF)	Ratio: 6.42 AA ¹ AAA 18pt ⁴	Ratio: 1.07 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F5FFFF)	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.32 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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