

Converting Colors - WCAG Matrix

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

	Hex(166262)	Hex(FFFFFF)	Hex(509595)	Hex(6BB0AF)	Hex(86CBCB)	Hex(A2E8E7)	Hex(BEFFFF)	Hex(DBFFFF)	Hex(F8FFFF)
Hex(166262)		Ratio: 7.10 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 6.68 AA ¹ AAA 18pt ⁴	Ratio: 7.01 Passed ⁶
Hex(FFFFFF)	Ratio: 7.10 Passed ⁶		Ratio: 3.46 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(509595)	Ratio: 2.05 Failed ⁵	Ratio: 3.46 AA 18pt ²		Ratio: 1.39 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.25 AA 18pt ²	Ratio: 3.41 AA 18pt ²
Hex(6BB0AF)	Ratio: 2.86 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(86CBCB)	Ratio: 3.86 AA 18pt ²	Ratio: 1.84 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(A2E8E7)	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 1.38 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(BEFFFF)	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 1.11 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(DBFFFF)	Ratio: 6.68 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F8FFFF)	Ratio: 7.01 Passed ⁶	Ratio: 1.01 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.10 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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