

Converting Colors - WCAG Matrix

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

	Hex(027E97)	Hex(FFFFFF)	Hex(57B3CD)	Hex(74CEE9)	Hex(91EBFF)	Hex(AFFFFFFF)	Hex(CCFFFF)	Hex(EAFFFF)
Hex(027E97)		Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 1.97 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 4.19 AA 18pt ²	Ratio: 4.36 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 4.74 AA ¹ AAA 18pt ⁴		Ratio: 2.40 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(57B3CD)	Ratio: 1.97 Failed ⁵	Ratio: 2.40 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.32 Failed ⁵
Hex(74CEE9)	Ratio: 2.65 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(91EBFF)	Ratio: 3.50 AA 18pt ²	Ratio: 1.35 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(AFFFFFFF)	Ratio: 4.19 AA 18pt ²	Ratio: 1.13 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(CCFFFF)	Ratio: 4.36 AA 18pt ²	Ratio: 1.09 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(EAFFFF)	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.09 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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