

Converting Colors - WCAG Matrix

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

	Hex(24785D)	Hex(FFFFFF)	Hex(5CAD8F)	Hex(77C9AA)	Hex(93E5C5)	Hex(AFFFE1)	Hex(CBFFFE)	Hex(E8FFFF)
Hex(24785D)		Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 2.00 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 5.15 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.36 AA ¹ AAA 18pt ⁴		Ratio: 2.68 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(5CAD8F)	Ratio: 2.00 Failed ⁵	Ratio: 2.68 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.58 Failed ⁵
Hex(77C9AA)	Ratio: 2.73 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.88 Failed ⁵
Hex(93E5C5)	Ratio: 3.64 AA 18pt ²	Ratio: 1.47 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(AFFFE1)	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 1.15 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(CBFFFE)	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(E8FFFF)	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.11 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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