

Converting Colors - WCAG Matrix

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

	Hex(178742)	Hex(FFFFFF)	Hex(59BD73)	Hex(75D98F)	Hex(91F7A8)	Hex(ADFFC4)	Hex(CCFE0)	Hex(E8FFFC)
Hex(178742)		Ratio: 4.58 AA ¹ AAA 18pt ⁴	Ratio: 1.95 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 3.90 AA 18pt ²	Ratio: 4.14 AA 18pt ²	Ratio: 4.40 AA 18pt ²
Hex(FFFFFF)	Ratio: 4.58 AA ¹ AAA 18pt ⁴		Ratio: 2.35 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(59BD73)	Ratio: 1.95 Failed ⁵	Ratio: 2.35 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(75D98F)	Ratio: 2.64 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(91F7A8)	Ratio: 3.51 AA 18pt ²	Ratio: 1.31 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(ADFFC4)	Ratio: 3.90 AA 18pt ²	Ratio: 1.17 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(CCFE0)	Ratio: 4.14 AA 18pt ²	Ratio: 1.11 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(E8FFFC)	Ratio: 4.40 AA 18pt ²	Ratio: 1.04 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.06 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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