

Converting Colors - WCAG Matrix

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

	Hex(006913)	Hex(FFFFFF)	Hex(499D45)	Hex(64B95E)	Hex(80D578)	Hex(9CF192)	Hex(B8FFAD)	Hex(D5FFC9)	Hex(F3FFE5)
Hex(006913)		Ratio: 6.93 AA ¹ AAA 18pt ⁴	Ratio: 2.04 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 5.92 AA ¹ AAA 18pt ⁴	Ratio: 6.26 AA ¹ AAA 18pt ⁴	Ratio: 6.68 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.93 AA ¹ AAA 18pt ⁴		Ratio: 3.39 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(499D45)	Ratio: 2.04 Failed ⁵	Ratio: 3.39 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.27 AA 18pt ²
Hex(64B95E)	Ratio: 2.85 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(80D578)	Ratio: 3.86 AA 18pt ²	Ratio: 1.79 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(9CF192)	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 1.36 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(B8FFAD)	Ratio: 5.92 AA ¹ AAA 18pt ⁴	Ratio: 1.17 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(D5FFC9)	Ratio: 6.26 AA ¹ AAA 18pt ⁴	Ratio: 1.11 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(F3FFE5)	Ratio: 6.68 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.07 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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