

Converting Colors - WCAG Matrix

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

	Hex(005818)	Hex(26712F)	Hex(428B47)	Hex(5DA65F)	Hex(78C178)	Hex(93DD93)	Hex(AEFAAD)	Hex(CBFFC9)	Hex(E8FFE5)	Hex(FFFFFF)
Hex(005818)		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 7.09 Passed ⁶	Ratio: 7.76 Passed ⁶	Ratio: 8.25 Passed ⁶	Ratio: 8.72 Passed ⁶
Hex(26712F)	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 6.02 AA ¹ AAA 18pt ⁴
Hex(428B47)	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 3.73 AA 18pt ²	Ratio: 3.96 AA 18pt ²	Ratio: 4.19 AA 18pt ²
Hex(5DA65F)	Ratio: 2.94 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 2.96 Failed ⁵
Hex(78C178)	Ratio: 4.03 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(93DD93)	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(AEFAAD)	Ratio: 7.09 Passed ⁶	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 3.40 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(CBFFC9)	Ratio: 7.76 Passed ⁶	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(E8FFE5)	Ratio: 8.25 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(FFFFFF)	Ratio: 8.72 Passed ⁶	Ratio: 6.02 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.12 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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