

Converting Colors - WCAG Matrix

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

	Hex(2D8000)	Hex(FFFFFF)	Hex(67B640)	Hex(83D25A)	Hex(9FEE75)	Hex(BCFF90)	Hex(D9FFAB)	Hex(F6FFC7)	Hex(FFFE4)
Hex(2D8000)		Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 1.99 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 4.25 AA 18pt ²	Ratio: 4.49 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 4.92 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.00 AA ¹ AAA 18pt ⁴		Ratio: 2.52 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(67B640)	Ratio: 1.99 Failed ⁵	Ratio: 2.52 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.48 Failed ⁵
Hex(83D25A)	Ratio: 2.70 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(9FEE75)	Ratio: 3.56 AA 18pt ²	Ratio: 1.40 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.38 Failed ⁵
Hex(BCFF90)	Ratio: 4.25 AA 18pt ²	Ratio: 1.18 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(D9FFAB)	Ratio: 4.49 AA 18pt ²	Ratio: 1.11 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(F6FFC7)	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(FFFE4)	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.03 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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