

Converting Colors - WCAG Matrix

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

	Hex(DAEE36)	Hex(BCD203)	Hex(9FB600)	Hex(829B00)	Hex(658100)	Hex(496800)	Hex(2D5000)	Hex(103900)	Hex(002400)	Hex(000000)
Hex(DAEE36)		Ratio: 1.32 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 7.20 Passed ⁶	Ratio: 10.12 Passed ⁶	Ratio: 12.99 Passed ⁶	Ratio: 16.26 Passed ⁶
Hex(BCD203)	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 9.87 Passed ⁶	Ratio: 12.36 Passed ⁶
Hex(9FB600)	Ratio: 1.77 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.32 Passed ⁶	Ratio: 9.17 Passed ⁶
Hex(829B00)	Ratio: 2.45 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 6.64 AA ¹ AAA 18pt ⁴
Hex(658100)	Ratio: 3.47 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 4.69 AA ¹ AAA 18pt ⁴
Hex(496800)	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.26 AA 18pt ²
Hex(2D5000)	Ratio: 7.20 Passed ⁶	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(103900)	Ratio: 10.12 Passed ⁶	Ratio: 7.69 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(002400)	Ratio: 12.99 Passed ⁶	Ratio: 9.87 Passed ⁶	Ratio: 7.32 Passed ⁶	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.25 Failed ⁵
Hex(000000)	Ratio: 16.26 Passed ⁶	Ratio: 12.36 Passed ⁶	Ratio: 9.17 Passed ⁶	Ratio: 6.64 AA ¹ AAA 18pt ⁴	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.25 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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