

Converting Colors - WCAG Matrix

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

	Hex(DAE151)	Hex(BDC534)	Hex(A0AA0E)	Hex(849000)	Hex(687600)	Hex(4D5D00)	Hex(324600)	Hex(183000)	Hex(001C00)	Hex(000000)
Hex(DAE151)		Ratio: 1.33 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 7.39 Passed ⁶	Ratio: 10.17 Passed ⁶	Ratio: 12.75 Passed ⁶	Ratio: 14.87 Passed ⁶
Hex(BDC534)	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 9.60 Passed ⁶	Ratio: 11.20 Passed ⁶
Hex(A0AA0E)	Ratio: 1.80 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 7.08 Passed ⁶	Ratio: 8.25 Passed ⁶
Hex(849000)	Ratio: 2.49 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 5.97 AA ¹ AAA 18pt ⁴
Hex(687600)	Ratio: 3.56 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 4.18 AA 18pt ²
Hex(4D5D00)	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.88 Failed ⁵
Hex(324600)	Ratio: 7.39 Passed ⁶	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.01 Failed ⁵
Hex(183000)	Ratio: 10.17 Passed ⁶	Ratio: 7.66 Passed ⁶	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(001C00)	Ratio: 12.75 Passed ⁶	Ratio: 9.60 Passed ⁶	Ratio: 7.08 Passed ⁶	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(000000)	Ratio: 14.87 Passed ⁶	Ratio: 11.20 Passed ⁶	Ratio: 8.25 Passed ⁶	Ratio: 5.97 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.17 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

Failed 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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