

Converting Colors - WCAG Matrix

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

	Hex(7DD260)	Hex(61B646)	Hex(459B2C)	Hex(25810E)	Hex(006700)	Hex(004E00)	Hex(003600)	Hex(002000)	Hex(000000)
Hex(7DD260)		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 7.37 Passed ⁶	Ratio: 9.33 Passed ⁶	Ratio: 11.26 Passed ⁶
Hex(61B646)	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 8.29 Passed ⁶
Hex(459B2C)	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 5.98 AA ¹ AAA 18pt ⁴
Hex(25810E)	Ratio: 2.66 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 4.23 AA 18pt ²
Hex(006700)	Ratio: 3.83 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.94 Failed ⁵
Hex(004E00)	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 3.97 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(003600)	Ratio: 7.37 Passed ⁶	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(002000)	Ratio: 9.33 Passed ⁶	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(000000)	Ratio: 11.26 Passed ⁶	Ratio: 8.29 Passed ⁶	Ratio: 5.98 AA ¹ AAA 18pt ⁴	Ratio: 4.23 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.21 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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