

Converting Colors - WCAG Matrix

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

	Hex(B3D68D)	Hex(98BA73)	Hex(7D9F5A)	Hex(638542)	Hex(4A6C2A)	Hex(325313)	Hex(1A3C00)	Hex(002600)	Hex(000B00)	Hex(000000)
Hex(B3D68D)		Ratio: 1.34 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶	Ratio: 10.12 Passed ⁶	Ratio: 12.33 Passed ⁶	Ratio: 12.92 Passed ⁶
Hex(98BA73)	Ratio: 1.34 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.52 Passed ⁶	Ratio: 9.17 Passed ⁶	Ratio: 9.61 Passed ⁶
Hex(7D9F5A)	Ratio: 1.85 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 6.98 AA ¹ AAA 18pt ⁴
Hex(638542)	Ratio: 2.60 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 4.96 AA ¹ AAA 18pt ⁴
Hex(4A6C2A)	Ratio: 3.72 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 3.47 AA 18pt ²
Hex(325313)	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(1A3C00)	Ratio: 7.64 Passed ⁶	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(002600)	Ratio: 10.12 Passed ⁶	Ratio: 7.52 Passed ⁶	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(000B00)	Ratio: 12.33 Passed ⁶	Ratio: 9.17 Passed ⁶	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 3.31 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(000000)	Ratio: 12.92 Passed ⁶	Ratio: 9.61 Passed ⁶	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 3.47 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.05 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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