

Converting Colors - WCAG Matrix

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

	Hex(D4F5A3)	Hex(B8D888)	Hex(9CBD6E)	Hex(82A255)	Hex(68873D)	Hex(4E6E25)	Hex(35550B)	Hex(1E3E00)	Hex(022800)	Hex(001000)
Hex(D4F5A3)		Ratio: 1.32 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 7.08 Passed ⁶	Ratio: 9.97 Passed ⁶	Ratio: 13.31 Passed ⁶	Ratio: 16.19 Passed ⁶
Hex(B8D888)	Ratio: 1.32 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 7.58 Passed ⁶	Ratio: 10.12 Passed ⁶	Ratio: 12.30 Passed ⁶
Hex(9CBD6E)	Ratio: 1.75 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.59 Passed ⁶	Ratio: 9.23 Passed ⁶
Hex(82A255)	Ratio: 2.40 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 6.75 AA ¹ AAA 18pt ⁴
Hex(68873D)	Ratio: 3.40 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴
Hex(4E6E25)	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.33 AA 18pt ²
Hex(35550B)	Ratio: 7.08 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.29 Failed ⁵
Hex(1E3E00)	Ratio: 9.97 Passed ⁶	Ratio: 7.58 Passed ⁶	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(022800)	Ratio: 13.31 Passed ⁶	Ratio: 10.12 Passed ⁶	Ratio: 7.59 Passed ⁶	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(001000)	Ratio: 16.19 Passed ⁶	Ratio: 12.30 Passed ⁶	Ratio: 9.23 Passed ⁶	Ratio: 6.75 AA ¹ AAA 18pt ⁴	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.33 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.22 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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