

Converting Colors - WCAG Matrix

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

	Hex(87DBC9)	Hex(6BBFAD)	Hex(4FA394)	Hex(338A7A)	Hex(0F7061)	Hex(00574A)	Hex(004033)	Hex(00291F)	Hex(000D05)	Hex(000000)
Hex(87DBC9)		Ratio: 1.34 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.70 AA 18pt ²	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 7.30 Passed ⁶	Ratio: 9.73 Passed ⁶	Ratio: 12.27 Passed ⁶	Ratio: 13.01 Passed ⁶
Hex(6BBFAD)	Ratio: 1.34 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 7.24 Passed ⁶	Ratio: 9.13 Passed ⁶	Ratio: 9.68 Passed ⁶
Hex(4FA394)	Ratio: 1.86 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 6.60 AA ¹ AAA 18pt ⁴	Ratio: 7.00 Passed ⁶
Hex(338A7A)	Ratio: 2.57 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 5.06 AA ¹ AAA 18pt ⁴
Hex(0F7061)	Ratio: 3.70 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 3.51 AA 18pt ²
Hex(00574A)	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.46 Failed ⁵
Hex(004033)	Ratio: 7.30 Passed ⁶	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(00291F)	Ratio: 9.73 Passed ⁶	Ratio: 7.24 Passed ⁶	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(000D05)	Ratio: 12.27 Passed ⁶	Ratio: 9.13 Passed ⁶	Ratio: 6.60 AA ¹ AAA 18pt ⁴	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.31 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 13.01 Passed ⁶	Ratio: 9.68 Passed ⁶	Ratio: 7.00 Passed ⁶	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.06 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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