

Converting Colors - WCAG Matrix

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

	Hex(62A494)	Hex(488A7A)	Hex(2D7061)	Hex(0E574A)	Hex(003F33)	Hex(00291E)	Hex(001105)	Hex(000000)
Hex(62A494)		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 7.26 Passed ⁶
Hex(488A7A)	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 5.19 AA ¹ AAA 18pt ⁴
Hex(2D7061)	Ratio: 2.01 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 3.60 AA 18pt ²
Hex(0E574A)	Ratio: 2.93 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.48 Failed ⁵
Hex(003F33)	Ratio: 4.13 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(00291E)	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(001105)	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.33 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(000000)	Ratio: 7.26 Passed ⁶	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.08 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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