

Converting Colors - WCAG Matrix

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

Hex(0097E3) Hex(ABE3FF) Hex(00E34C) Hex(4D6E80) Hex(000000) Hex(808080)

	Hex(0097E3)	Hex(ABE3FF)	Hex(00E34C)	Hex(4D6E80)	Hex(000000)	Hex(808080)
Hex(0097E3)		Ratio: 2.32 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 6.54 AA ¹ AAA 18pt ⁴	Ratio: 1.23 Failed ⁵
Hex(ABE3FF)	Ratio: 2.32 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 15.16 Passed ⁶	Ratio: 2.85 Failed ⁵
Hex(00E34C)	Ratio: 1.85 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 3.13 AA 18pt ²	Ratio: 12.09 Passed ⁶	Ratio: 2.27 Failed ⁵
Hex(4D6E80)	Ratio: 1.69 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 3.13 AA 18pt ²		Ratio: 3.86 AA 18pt ²	Ratio: 1.38 Failed ⁵
Hex(000000)	Ratio: 6.54 AA ¹ AAA 18pt ⁴	Ratio: 15.16 Passed ⁶	Ratio: 12.09 Passed ⁶	Ratio: 3.86 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.23 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

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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