

Converting Colors - WCAG Matrix

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

Hex(E055D1) Hex(FFCFFA) Hex(6355E0) Hex(80627C) Hex(000000) Hex(808080)

	Hex(E055D1)	Hex(FFCFFA)	Hex(6355E0)	Hex(80627C)	Hex(000000)	Hex(808080)
Hex(E055D1)		Ratio: 2.43 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 6.39 AA ¹ AAA 18pt ⁴	Ratio: 1.20 Failed ⁵
Hex(FFCFFA)	Ratio: 2.43 Failed ⁵		Ratio: 3.98 AA 18pt ²	Ratio: 3.93 AA 18pt ²	Ratio: 15.56 Passed ⁶	Ratio: 2.93 Failed ⁵
Hex(6355E0)	Ratio: 1.64 Failed ⁵	Ratio: 3.98 AA 18pt ²		Ratio: 1.01 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 1.36 Failed ⁵
Hex(80627C)	Ratio: 1.62 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 1.01 Failed ⁵		Ratio: 3.96 AA 18pt ²	Ratio: 1.34 Failed ⁵
Hex(000000)	Ratio: 6.39 AA ¹ AAA 18pt ⁴	Ratio: 15.56 Passed ⁶	Ratio: 3.91 AA 18pt ²	Ratio: 3.96 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.20 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.34 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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