

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(61626B) Hex(88888C) Hex(616B6B) Hex(454547) Hex(C7C7C7) Hex(474747)

	Hex(61626B)	Hex(88888C)	Hex(616B6B)	Hex(454547)	Hex(C7C7C7)	Hex(474747)
Hex(61626B)		Ratio: 1.72 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 1.53 Failed ⁵
Hex(88888C)	Ratio: 1.72 Failed ⁵		Ratio: 1.56 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.63 Failed ⁵
Hex(616B6B)	Ratio: 1.10 Failed ⁵	Ratio: 1.56 Failed ⁵		Ratio: 1.74 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 1.69 Failed ⁵
Hex(454547)	Ratio: 1.58 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 1.74 Failed ⁵		Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(C7C7C7)	Ratio: 3.58 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴		Ratio: 5.50 AA ¹ AAA 18pt ⁴
Hex(474747)	Ratio: 1.53 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 5.50 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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