

Converting Colors - WCAG Matrix

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

Hex(517571) Hex(8B9999) Hex(557551) Hex(444D4B) Hex(CCCCCC) Hex(4D4D4D)

	Hex(517571)	Hex(8B9999)	Hex(557551)	Hex(444D4B)	Hex(CCCCCC)	Hex(4D4D4D)
Hex(517571)		Ratio: 1.72 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 1.66 Failed ⁵
Hex(8B9999)	Ratio: 1.72 Failed ⁵		Ratio: 1.76 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.86 Failed ⁵
Hex(557551)	Ratio: 1.02 Failed ⁵	Ratio: 1.76 Failed ⁵		Ratio: 1.68 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 1.63 Failed ⁵
Hex(444D4B)	Ratio: 1.72 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 1.68 Failed ⁵		Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(CCCCCC)	Ratio: 3.16 AA 18pt ²	Ratio: 1.84 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴		Ratio: 5.26 AA ¹ AAA 18pt ⁴
Hex(4D4D4D)	Ratio: 1.66 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 5.26 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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