

Converting Colors - WCAG Matrix

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

Hex(51615B) Hex(777D7A) Hex(586151) Hex(3C403E) Hex(BFBFBF) Hex(404040)

	Hex(51615B)	Hex(777D7A)	Hex(586151)	Hex(3C403E)	Hex(BFBFBF)	Hex(404040)
Hex(51615B)		Ratio: 1.56 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 1.59 Failed ⁵
Hex(777D7A)	Ratio: 1.56 Failed ⁵		Ratio: 1.54 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.47 Failed ⁵
Hex(586151)	Ratio: 1.01 Failed ⁵	Ratio: 1.54 Failed ⁵		Ratio: 1.63 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 1.60 Failed ⁵
Hex(3C403E)	Ratio: 1.61 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 1.63 Failed ⁵		Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵
Hex(BFBFBF)	Ratio: 3.56 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴		Ratio: 5.64 AA ¹ AAA 18pt ⁴
Hex(404040)	Ratio: 1.59 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 5.64 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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