

Converting Colors - WCAG Matrix

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

Hex(54545E) Hex(77777A) Hex(545E5E) Hex(3B3B3D) Hex(BDBDBD) Hex(3D3D3D)

	Hex(54545E)	Hex(77777A)	Hex(545E5E)	Hex(3B3B3D)	Hex(BDBDBD)	Hex(3D3D3D)
Hex(54545E)		Ratio: 1.68 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 1.45 Failed ⁵
Hex(77777A)	Ratio: 1.68 Failed ⁵		Ratio: 1.50 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(545E5E)	Ratio: 1.12 Failed ⁵	Ratio: 1.50 Failed ⁵		Ratio: 1.67 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 1.62 Failed ⁵
Hex(3B3B3D)	Ratio: 1.49 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 1.67 Failed ⁵		Ratio: 5.95 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(BDBDBD)	Ratio: 3.98 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 5.95 AA ¹ AAA 18pt ⁴		Ratio: 5.78 AA ¹ AAA 18pt ⁴
Hex(3D3D3D)	Ratio: 1.45 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 5.78 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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