

Converting Colors - WCAG Matrix

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

Hex(464754) Hex(68696E) Hex(465454) Hex(353538) Hex(B8B8B8) Hex(383838)

	Hex(464754)	Hex(68696E)	Hex(465454)	Hex(353538)	Hex(B8B8B8)	Hex(383838)
Hex(464754)		Ratio: 1.67 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 1.28 Failed ⁵
Hex(68696E)	Ratio: 1.67 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(465454)	Ratio: 1.16 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.55 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 1.48 Failed ⁵
Hex(353538)	Ratio: 1.33 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.55 Failed ⁵		Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵
Hex(B8B8B8)	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 2.76 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 6.16 AA ¹ AAA 18pt ⁴		Ratio: 5.91 AA ¹ AAA 18pt ⁴
Hex(383838)	Ratio: 1.28 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 5.91 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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