

Converting Colors - WCAG Matrix

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

	Hex(4B4345)	Hex(4B4B4B)	Hex(4B5250)	Hex(4B5A56)	Hex(4B615C)	Hex(4B6961)	Hex(4B7067)	Hex(4B786C)	Hex(4B7F72)	Hex(4B8778)
Hex(4B4345)		Ratio: 1.10 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(4B4B4B)	Ratio: 1.10 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(4B5250)	Ratio: 1.20 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.92 Failed ⁵
Hex(4B5A56)	Ratio: 1.32 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(4B615C)	Ratio: 1.45 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(4B6961)	Ratio: 1.60 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(4B7067)	Ratio: 1.74 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(4B786C)	Ratio: 1.92 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(4B7F72)	Ratio: 2.09 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.10 Failed ⁵
Hex(4B8778)	Ratio: 2.30 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.10 Failed ⁵	

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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