

Converting Colors - WCAG Matrix

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

	Hex(452A3D)	Hex(45313F)	Hex(453841)	Hex(453F43)	Hex(454645)	Hex(454D47)	Hex(455349)	Hex(455A4B)	Hex(45614D)	Hex(45684F)
Hex(452A3D)		Ratio: 1.07 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(45313F)	Ratio: 1.07 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.90 Failed ⁵
Hex(453841)	Ratio: 1.15 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(453F43)	Ratio: 1.24 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(454645)	Ratio: 1.34 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(454D47)	Ratio: 1.46 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(455349)	Ratio: 1.57 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(455A4B)	Ratio: 1.71 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(45614D)	Ratio: 1.86 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(45684F)	Ratio: 2.03 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.09 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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