

Converting Colors - WCAG Matrix

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

	Hex(00553C)	Hex(08553E)	Hex(115541)	Hex(195543)	Hex(225546)	Hex(2A5549)	Hex(33554B)	Hex(3B554E)	Hex(445550)	Hex(4C5552)
Hex(00553C)		Ratio: 1.01 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(08553E)	Ratio: 1.01 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(115541)	Ratio: 1.01 Failed ⁵	Ratio: 1.01 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(195543)	Ratio: 1.02 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.01 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(225546)	Ratio: 1.04 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.01 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(2A5549)	Ratio: 1.05 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(33554B)	Ratio: 1.07 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.07 Failed ⁵
Hex(3B554E)	Ratio: 1.10 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(445550)	Ratio: 1.13 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(4C5552)	Ratio: 1.15 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.03 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.