

# Converting Colors - WCAG Matrix

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

	Hex(535345)	Hex(53533D)	Hex(535335)	Hex(53532C)	Hex(535324)	Hex(53531C)	Hex(535313)	Hex(53530B)	Hex(535303)	Hex(535300)
Hex(535345)		<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>
Hex(53533D)	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>
Hex(535335)	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>
Hex(53532C)	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>
Hex(535324)	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>
Hex(53531C)	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>
Hex(535313)	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>
Hex(53530B)	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>
Hex(535303)	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>
Hex(535300)	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.