

# Converting Colors - WCAG Matrix

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

**Hex(645B66) Hex(837585) Hex(665B62) Hex(322E33) Hex(650073) Hex(D400F2)**

	Hex(645B66)	Hex(837585)	Hex(665B62)	Hex(322E33)	Hex(650073)	Hex(D400F2)
Hex(645B66)		<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.79</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.57</a> Failed <sup>5</sup>
Hex(837585)	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.08</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.69</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>
Hex(665B62)	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.06</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.80</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.57</a> Failed <sup>5</sup>
Hex(322E33)	<a href="#">Ratio: 2.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.08</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.06</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.14</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.23</a> AA 18pt <sup>2</sup>
Hex(650073)	<a href="#">Ratio: 1.79</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.69</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.80</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.14</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.82</a> Failed <sup>5</sup>
Hex(D400F2)	<a href="#">Ratio: 1.57</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.57</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.23</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.82</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.

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