

Converting Colors

CIELCh(50, 50.906, 3.786)

Have a look what the booklet for
CIELCh(50, 50.906, 3.786) contains.

CIELCh(50, 50.608, 3.955)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 50.608, 3.955)

Conversions

Conversions Part 1	
Format	Color
Hex	C44E73
RGB	196, 78, 115
RGB Percent	77%, 31%, 45%
CMY	0.2314, 0.6941, 0.5491
CMYK	0.00, 0.60, 0.41, 0.23
HSL	341°, 50%, 54%
HSV	341°, 60%, 77%
XYZ	28.5790, 18.4187, 18.2653
YIQ	117.5000, 58.4510, 36.5230

Conversions

Conversions Part 2

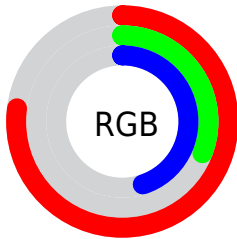
Format	Color
RYB	196, 78, 115
Decimal	12865139
CIELab	50.00, 50.49, 3.49
CIELCh	50, 50.608, 3.955
Yxy	18.4187, 0.4379, 0.2822
Android (android.graphics.Color)	4291055219 (0xFFC44E73)
YUV	117.5000, -1.2325, 68.8445
Hunter-Lab	42.9170, 43.7610, 4.8083

Details

The CIELCh color **50, 50.608, 3.955** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **72, 42.909, 168.167**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 50.333, 3.568**, and **30, 50.602, 4.148** is the 20% darker color. If you saturate the color by 10%, you get **47, 57.726, 6.826**, and if you desaturate by 10%, it is **54, 42.580, 1.680**.

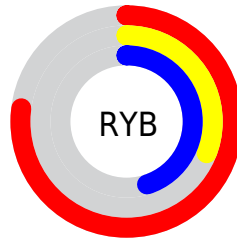
Distribution



Red (77%)

Green (31%)

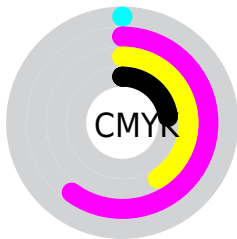
Blue (45%)



Red (77%)

Yellow (31%)

Blue (45%)

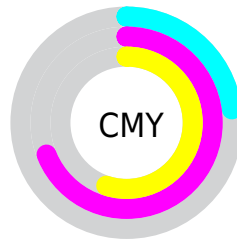


Cyan (0%)

Magenta (60%)

Yellow (41%)

Black (23%)



Cyan (23%)

Magenta (69%)








Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 50.608, 3.955 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 50, 50.608, 3.955 by changing the saturation by 10% instead.

 50, 50.608, 3.955	 50, 50.608, 3.955
 100, 50.608, 3.955	 40, 50.608, 3.955
 70, 50.608, 3.955	 30, 50.608, 3.955
 80, 50.608, 3.955	 20, 50.608, 3.955
 90, 50.608, 3.955	 10, 50.608, 3.955
	 0, 50.608, 3.955

 50, 50.608, 3.955	 50, 50.608, 3.955
 47, 57.726, 6.826	 54, 42.580, 1.680
 44, 63.594, 10.461	 58, 34.045, 359.844
 42, 68.076, 14.998	

 41, 71.569, 20.134


 63, 25.336,
358.331


 68, 16.696,
357.054

 74, 8.278, 355.940

 79, 0.167, 352.262

 85, 7.600, 174.274

 90, 15.017,
173.495

 96, 22.095,
172.811

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50, 50.608, 3.955



72, 42.909, 168.167

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50, 50.608, 3.955



50, 50.608, 53.955



50, 50.608, 183.955



50, 50.608, 233.955

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50, 50.605, 3.957



88, 18.356, 356.830



48, 71.262, 317.589



45, 12.821, 357.177



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 50.605, 3.957



59, 72.639, 7.803



53, 47.172, 39.214



38, 4.550, 355.850



34, 61.492, 19.216



3, 14.668, 2.799

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50, 50.605, 3.957



59, 72.639, 7.803



67, 29.287, 221.823



38, 4.550, 355.850



34, 61.492, 19.216



3, 14.668, 2.799

Previews

White Background



This preview shows how the CIELCh color 50, 50.608, 3.955 looks on a white background.

Color Contrast Check

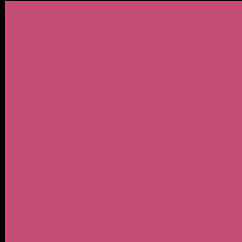
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 50.608, 3.955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 50.608, 3.955

Background



This preview shows how black text looks on a background with the CIELCh color 50, 50.608, 3.955.



This preview shows how white text looks on a background with the CIELCh color 50, 50.608, 3.955.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50, 50.608, 3.955

Protanopia

50, 11.721, 286.203

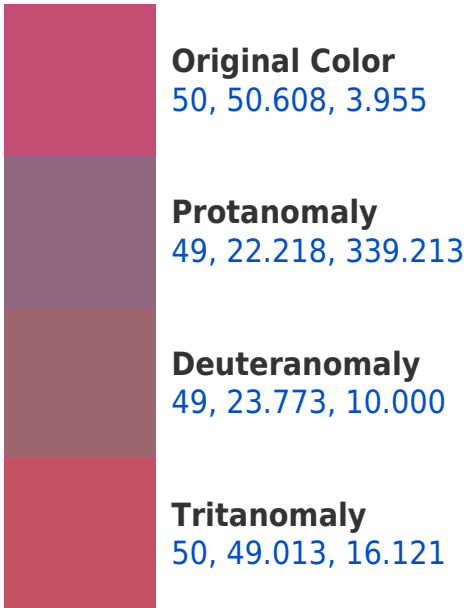
Deuteranopia

50, 9.177, 42.509



Tritanopia
50, 48.841, 22.873

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 50.608, 3.955 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(196, 78, 115)` looks like.

```
.text, #text, p{  
    color:rgb(196, 78, 115)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(196, 78, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 78, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 50.608, 3.955 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 78, 115) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(196, 78, 115) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(196, 78, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 78, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 78, 115);  
box-shadow:4px 4px 4px 4px rgb(196, 78,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 50.608, 3.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 78, 115) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(196, 78,  
115) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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