

Converting Colors

CIELCh(50, 45.558, 2.487)

Have a look what the booklet for
CIELCh(50, 45.558, 2.487) contains.

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Color

CIELCh(50, 45.609, 2.748)

Conversions

Conversions Part 1

Format	Color
Hex	BD5475
RGB	189, 84, 117
RGB Percent	74%, 33%, 46%
CMY	0.2592, 0.6709, 0.5415
CMYK	0.00, 0.56, 0.38, 0.26
HSL	341°, 44%, 53%
HSV	341°, 56%, 74%
XYZ	27.3354, 18.4187, 18.9207
YIQ	119.1570, 51.9870, 32.5230

Conversions

Conversions Part 2

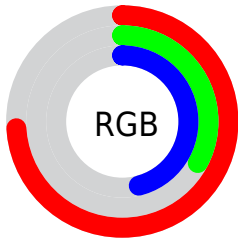
Format	Color
R_{YB}	189, 84, 117
Decimal	12407925
CIE _{Lab}	50.00, 45.56, 2.19
CIE _{LCh}	50, 45.609, 2.748
Yxy	18.4187, 0.4227, 0.2848
Android (android.graphics.Color)	4290598005 (0xFFBD5475)
YUV	119.1570, -1.0634, 61.2523
Hunter-Lab	42.9170, 38.5886, 3.9028

Details

The CIELCh color **50, 45.609, 2.748** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **70, 39.104, 168.815**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 45.667, 2.587**, and **30, 45.547, 2.833** is the 20% darker color. If you saturate the color by 10%, you get **46, 52.982, 5.306**, and if you desaturate by 10%, it is **54, 37.537, 0.707**.

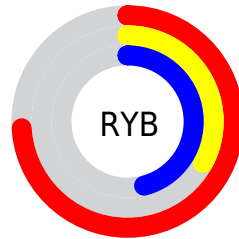
Distribution



Red (74%)

Green (33%)

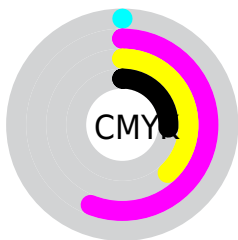
Blue (46%)



Red (74%)

Yellow (33%)

Blue (46%)

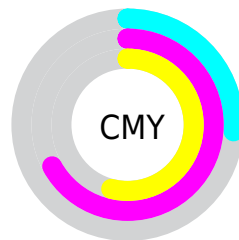


Cyan (0%)

Magenta (56%)

Yellow (38%)

Black (26%)



Cyan (26%)

Magenta (67%)








Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 45.609, 2.748 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, 45.609, 2.748 by changing the saturation by 10% instead.

 50, 45.609, 2.748	 50, 45.609, 2.748
 100, 45.609, 2.748	 40, 45.609, 2.748
 70, 45.609, 2.748	 30, 45.609, 2.748
 80, 45.609, 2.748	 20, 45.609, 2.748
 90, 45.609, 2.748	 10, 45.609, 2.748
	 0, 45.609, 2.748

 50, 45.609, 2.748	 50, 45.609, 2.748
 46, 52.982, 5.306	 54, 37.537, 0.707
 44, 59.290, 8.540	 59, 29.138, 359.042
 41, 64.278, 12.616	

40, 67.997, 17.607

63, 20.692,
357.653

40, 69.557, 19.906

68, 12.392,
356.466

74, 4.351, 355.384

79, 3.372, 174.732

84, 10.757,
173.848

90, 17.806,
173.121

95, 24.537,
172.470

Harmonies

Complementary

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



50, 45.609, 2.748



70, 39.104, 168.815

Rectangle

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



50, 45.609, 2.748



50, 45.609, 52.748



50, 45.609, 182.748



50, 45.609, 232.748

Sweetspot

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



50, 45.606, 2.750



86, 16.747, 356.656



48, 64.261, 317.462



44, 11.237, 356.886



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



50, 45.606, 2.750



59, 66.418, 6.044



53, 41.535, 38.806



37, 4.452, 355.793



33, 60.731, 19.064



3, 12.901, 1.909

Inverse Universe

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



50, 45.606, 2.750



59, 66.418, 6.044



65, 26.995, 221.120



37, 4.452, 355.793



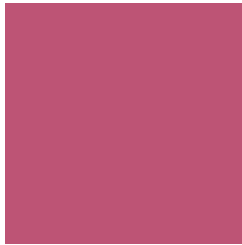
33, 60.731, 19.064



3, 12.901, 1.909

Previews

White Background



This preview shows how the CIELCh color 50, 45.609, 2.748 looks on a white background.

Color Contrast Check

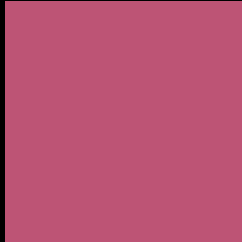
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 45.609, 2.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

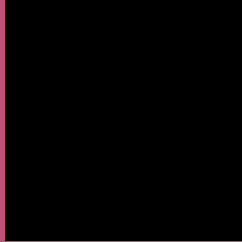
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 45.609, 2.748

Background



This preview shows how black text looks on a background with the CIELCh color 50, 45.609, 2.748.



This preview shows how white text looks on a background with the CIELCh color 50, 45.609, 2.748.

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, 45.609, 2.748

Protanopia
50, 11.141, 285.823

Deuteranopia
50, 8.154, 32.556



Tritanopia
50, 43.418, 21.312

Trichromacy



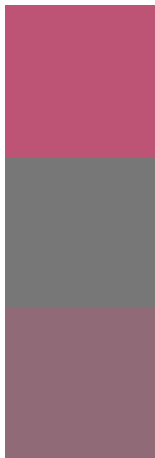
Original Color
50, 45.609, 2.748

Protanomaly
49, 20.293, 338.336

Deuteranomaly
49, 21.690, 6.849

Tritanomaly
50, 43.564, 14.910

Monochromacy



Original Color
50, 45.609, 2.748

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 17.128, 357.584

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 45.609, 2.748 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(189, 84, 117)` looks like.

```
.text, #text, p{  
    color:rgb(189, 84, 117)  
}
```

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(189, 84, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 84, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 45.609, 2.748 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(189, 84, 117) }
```

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

```
.border{ border-color:rgb(189, 84, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 84, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 84, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 84, 117); box-shadow:4px 4px 4px 4px rgb(189, 84, 117) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 45.609, 2.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 84, 117) }
```

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

```
.background{ background-color: rgb(189, 84,  
117) }
```

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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