

Converting Colors

CIELCh(48, 58.421, 338.250)

Have a look what the booklet for
CIELCh(48, 58.421, 338.250)
contains.

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Color

CIELCh(48, 58.604, 338.116)

Conversions

Conversions Part 1

Format	Color
Hex	B74798
RGB	183, 71, 152
RGB Percent	72%, 28%, 60%
CMY	0.2830, 0.7222, 0.4045
CMYK	0.00, 0.61, 0.17, 0.28
HSL	317°, 44%, 50%
HSV	317°, 61%, 72%
XYZ	27.3861, 16.7945, 31.4375
YIQ	113.7220, 40.7510, 48.9350

Conversions

Conversions Part 2

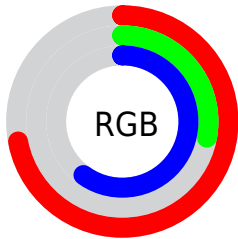
Format	Color
R_{YB}	183, 71, 152
Decimal	12011416
CIE _{Lab}	48.00, 54.38, -21.84
CIE _{LCh}	48, 58.604, 338.116
Yxy	16.7945, 0.3622, 0.2221
Android (android.graphics.Color)	4290201496 (0xFFB74798)
YUV	113.7220, 18.8711, 60.7568
Hunter-Lab	40.9810, 47.5679, -16.7960

Details

The CIELCh color **48, 58.604, 338.116** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **67, 58.961, 147.199**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 58.088, 338.211**, and **28, 58.716, 338.097** is the 20% darker color. If you saturate the color by 10%, you get **45, 65.207, 339.156**, and if you desaturate by 10%, it is **51, 50.477, 337.186**.

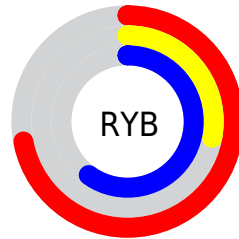
Distribution



Red (72%)

Green (28%)

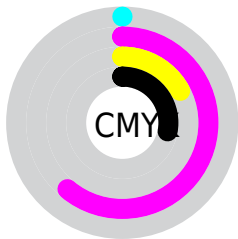
Blue (60%)



Red (72%)

Yellow (28%)

Blue (60%)

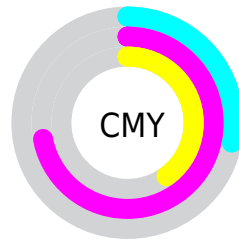


Cyan (0%)

Magenta (61%)

Yellow (17%)

Black (28%)



Cyan (28%)


Magenta (72%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 58.604, 338.116 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 48, 58.604, 338.116 by changing the saturation by 10% instead.


 48, 58.604,
338.116


 48, 58.604,
338.116


 100, 58.604,
338.116


 38, 58.604,
338.116

 68, 58.604,
338.116


 28, 58.604,
338.116

 78, 58.604,
338.116

 18, 58.604,
338.116

 88, 58.604,
338.116

 8, 58.604, 338.116

 98, 58.604,
338.116

 0, 58.604, 338.116

 48, 58.604,

 48, 58.604,

338.116

45, 65.207,
339.156

43, 69.859,
340.352

42, 72.307,
341.766

41, 73.013,
343.186

338.116

51, 50.477,
337.186

55, 41.306,
336.335

60, 31.512,
335.541


64, 21.425,
334.794

69, 11.285,
334.079

74, 1.250, 333.196

79, 8.581, 152.852

84, 18.155,
152.240

 89, 27.445,
151.675

Harmonies

Complementary

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



48, 58.604, 338.116



67, 58.961, 147.199

Rectangle

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



48, 58.604, 338.116



48, 58.604, 28.116



48, 58.604, 158.116



48, 58.604, 208.116

Sweetspot

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



48, 58.601, 338.116



83, 22.394, 334.580



39, 67.979, 305.734



43, 15.705, 334.790



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



48, 58.601, 338.116



57, 81.798, 339.610



46, 48.340, 10.333



36, 5.694, 333.944



34, 64.947, 342.945



3, 14.347, 338.027

Inverse Universe

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



48, 58.601, 338.116



57, 81.798, 339.610



68, 38.263, 174.155



36, 5.694, 333.944



34, 64.947, 342.945



3, 14.347, 338.027

Previews

White Background



This preview shows how the CIELCh color 48, 58.604, 338.116 looks on a white background.

Color Contrast Check

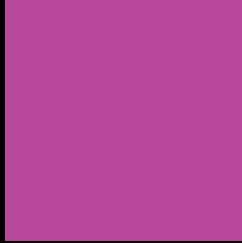
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 48, 58.604, 338.116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

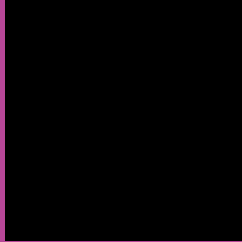
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 58.604, 338.116

Background



This preview shows how black text looks on a background with the CIELCh color 48, 58.604, 338.116.

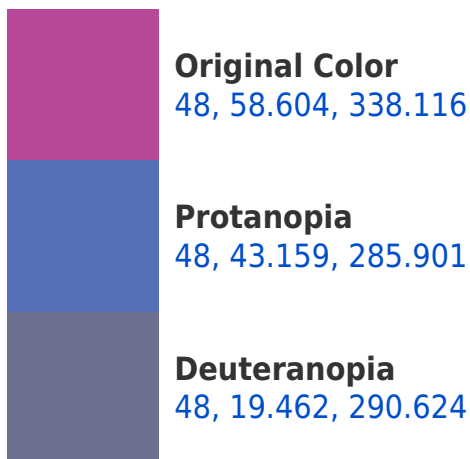


This preview shows how white text looks on a background with the CIELCh color 48, 58.604, 338.116.

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





Tritanopia
48, 40.123, 20.525

Trichromacy



Original Color
48, 58.604, 338.116

Protanomaly
46, 45.787, 305.475

Deuteranomaly
47, 32.872, 319.655

Tritanomaly
48, 43.756, 0.493

Monochromacy



Original Color
48, 58.604, 338.116

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 23.930, 335.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 58.604, 338.116 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(183, 71, 152)` looks like.

```
.text, #text, p{  
    color:rgb(183, 71, 152)  
}
```

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(183, 71, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 71, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 58.604, 338.116 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(183, 71, 152) }
```

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

```
.border{ border-color:rgb(183, 71, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 71, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 71, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 71, 152);  
box-shadow:4px 4px 4px 4px rgb(183, 71,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 58.604, 338.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 71, 152) }
```

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

```
.background{ background-color: rgb(183, 71,  
152) }
```

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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