

Converting Colors

CIELCh(48, 47.721, 9.877)

Have a look what the booklet for
CIELCh(48, 47.721, 9.877) contains.

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Color

CIELCh(48, 47.768, 9.772)

Conversions

Conversions Part 1

Format	Color
Hex	BB4C66
RGB	187, 76, 102
RGB Percent	73%, 30%, 40%
CMY	0.2652, 0.7006, 0.5988
CMYK	0.00, 0.59, 0.45, 0.27
HSL	346°, 45%, 52%
HSV	346°, 59%, 73%
XYZ	25.6084, 16.7945, 14.5445
YIQ	112.1530, 57.8100, 31.6180

Conversions

Conversions Part 2

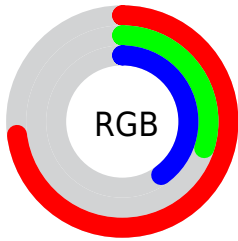
Format	Color
R_{YB}	187, 76, 102
Decimal	12274790
CIE _{Lab}	48.00, 47.07, 8.11
CIE _{LCh}	48, 47.768, 9.772
Yxy	16.7945, 0.4497, 0.2949
Android (android.graphics.Color)	4290464870 (0xFFBB4C66)
YUV	112.1530, -5.0054, 65.6408
Hunter-Lab	40.9810, 39.8248, 7.6443

Details

The CIELCh color **48, 47.768, 9.772** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **69, 38.084, 174.370**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 48.055, 9.557**, and **28, 47.745, 10.009** is the 20% darker color. If you saturate the color by 10%, you get **45, 55.205, 12.789**, and if you desaturate by 10%, it is **52, 39.701, 7.388**.

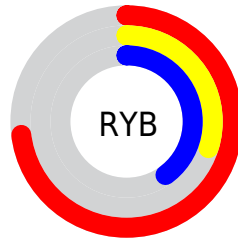
Distribution



Red (73%)

Green (30%)

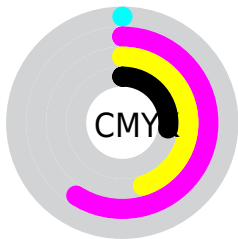
Blue (40%)



Red (73%)

Yellow (30%)

Blue (40%)

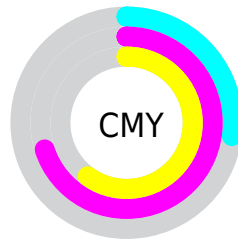


Cyan (0%)

Magenta (59%)

Yellow (45%)

Black (27%)



Cyan (27%)

Magenta (70%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 47.768, 9.772 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, 47.768, 9.772 by changing the saturation by 10% instead.

 48, 47.768, 9.772  48, 47.768, 9.772

 100, 47.768, 9.772  38, 47.768, 9.772


 68, 47.768, 9.772  28, 47.768, 9.772

 78, 47.768, 9.772  18, 47.768, 9.772

 88, 47.768, 9.772  8, 47.768, 9.772

 98, 47.768, 9.772  0, 47.768, 9.772

 48, 47.768, 9.772  48, 47.768, 9.772

 45, 55.205, 12.789  52, 39.701, 7.388

 42, 61.714, 16.586  56, 31.351, 5.479

 40, 67.155, 21.247  61, 22.995, 3.924

■ 39, 71.821, 26.492

■ 66, 14.826, 2.628

■ 39, 72.182, 26.864

■ 71, 6.962, 1.506

■ 76, 0.543, 181.518

■ 82, 7.672, 179.890

■ 87, 14.432,
179.141

■ 92, 20.846,
178.489

Harmonies

Complementary

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



48, 47.768, 9.772



69, 38.084, 174.370

Rectangle

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



48, 47.768, 9.772



48, 47.768, 59.772



48, 47.768, 189.772



48, 47.768, 239.772

Sweetspot

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



48, 47.765, 9.774



85, 17.186, 2.515



47, 68.079, 319.622



43, 12.015, 2.865



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



48, 47.765, 9.774



57, 69.931, 13.813



53, 42.977, 44.515



37, 4.289, 1.517



33, 63.280, 26.065



3, 12.625, 6.191

Inverse Universe

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



48, 47.765, 9.774



57, 69.931, 13.813



62, 27.778, 232.218



37, 4.289, 1.517



33, 63.280, 26.065



3, 12.625, 6.191

Previews

White Background



This preview shows how the CIELCh color 48, 47.768, 9.772 looks on a white background.

Color Contrast Check

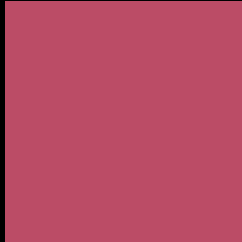
Large Text (above 18pt) WCAG AA ✓ Pass

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, 47.768, 9.772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

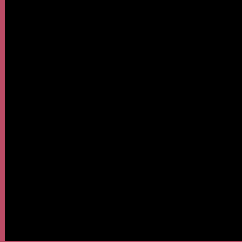
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 47.768, 9.772

Background



This preview shows how black text looks on a background with the CIELCh color 48, 47.768, 9.772.



This preview shows how white text looks on a background with the CIELCh color 48, 47.768, 9.772.

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

48, 47.768, 9.772

Protanopia

48, 5.305, 290.892

Deuteranopia

48, 12.353, 58.070



Tritanopia
48, 47.083, 23.270

Trichromacy



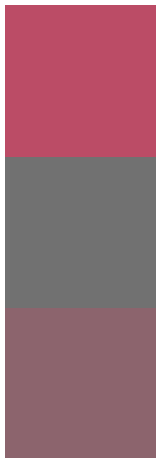
Original Color
48, 47.768, 9.772

Protanomaly
47, 19.037, 354.515

Deuteranomaly
47, 23.638, 21.129

Tritanomaly
48, 47.116, 18.762

Monochromacy



Original Color
48, 47.768, 9.772

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 17.616, 4.394

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 47.768, 9.772 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(187, 76, 102)` looks like.

```
.text, #text, p{  
  color:rgb(187, 76, 102)  
}
```

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(187, 76, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 76, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 47.768, 9.772 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(187, 76, 102) }
```

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

```
.border{ border-color:rgb(187, 76, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 76, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 76, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 76, 102);  
box-shadow:4px 4px 4px 4px rgb(187, 76,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 47.768, 9.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 76, 102) }
```

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

```
.background{ background-color: rgb(187, 76,  
102) }
```

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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