

Converting Colors

CIELCh(47, 51.639, 0.640)

Have a look what the booklet for
CIELCh(47, 51.639, 0.640) contains.

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Color

CIELCh(47, 51.611, 1.085)

Conversions

Conversions Part 1

Format	Color
Hex	BC4570
RGB	188, 69, 112
RGB Percent	74%, 27%, 44%
CMY	0.2642, 0.7308, 0.5620
CMYK	0.00, 0.63, 0.40, 0.26
HSL	338°, 47%, 50%
HSV	338°, 63%, 74%
XYZ	25.6599, 16.0195, 16.9759
YIQ	109.4830, 57.1210, 38.6010

Conversions

Conversions Part 2

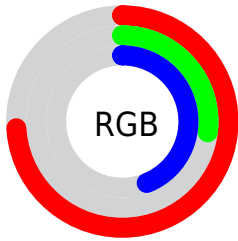
Format	Color
R _Y B	188, 69, 112
Decimal	12338544
CIE Lab	47.00, 51.60, 0.98
CIE LCh	47, 51.611, 1.085
Yxy	16.0195, 0.4375, 0.2731
Android (android.graphics.Color)	4290528624 (0xFFBC4570)
YUV	109.4830, 1.2409, 68.8594
Hunter-Lab	40.0243, 44.3952, 2.8698

Details

The CIELCh color **47, 51.611, 1.085** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **69, 45.136, 164.421**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 51.924, 0.811**, and **27, 51.471, 1.340** is the 20% darker color. If you saturate the color by 10%, you get **44, 57.897, 3.950**, and if you desaturate by 10%, it is **51, 44.214, 358.813**.

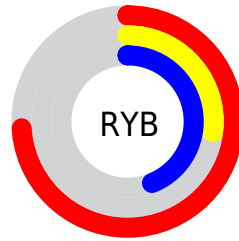
Distribution



Red (74%)

Green (27%)

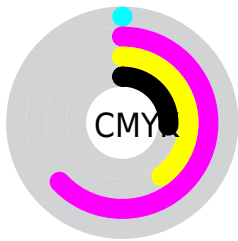
Blue (44%)



Red (74%)

Yellow (27%)

Blue (44%)

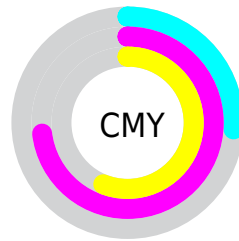


Cyan (0%)

Magenta (63%)

Yellow (40%)

Black (26%)



Cyan (26%)

Magenta (73%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 51.611, 1.085 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 47, 51.611, 1.085 by changing the saturation by 10% instead.

 47, 51.611, 1.085  47, 51.611, 1.085

 100, 51.611, 1.085  37, 51.611, 1.085

 67, 51.611, 1.085  27, 51.611, 1.085



 77, 51.611, 1.085  17, 51.611, 1.085

 87, 51.611, 1.085  7, 51.611, 1.085

 97, 51.611, 1.085  0, 51.611, 1.085

 47, 51.611, 1.085  47, 51.611, 1.085

 44, 57.897, 3.950  51, 44.214,
358.813

 42, 62.764, 7.579  55, 36.118,
356.976

 40, 66.151, 12.115 

40, 67.975, 15.430

59, 27.685,
355.459

64, 19.194,
354.175

69, 10.831,
353.058

74, 2.708, 351.976

80, 5.119, 171.367

85, 12.627,
170.550

90, 19.817,
169.843

Harmonies

Complementary

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



47, 51.611, 1.085



69, 45.136, 164.421

Rectangle

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



47, 51.611, 1.085



47, 51.611, 51.085



47, 51.611, 181.085



47, 51.611, 231.085

Sweetspot

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



47, 51.608, 1.087



84, 19.227, 353.701



44, 71.916, 316.134



43, 13.282, 354.030



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



47, 51.608, 1.087



56, 73.199, 5.246



49, 49.946, 36.016



37, 4.568, 352.636



33, 59.747, 14.646



3, 13.100, 359.432

Inverse Universe

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



47, 51.608, 1.087



56, 73.199, 5.246



65, 29.912, 214.534



37, 4.568, 352.636



33, 59.747, 14.646



3, 13.100, 359.432

Previews

White Background



This preview shows how the CIELCh color 47, 51.611, 1.085 looks on a white background.

Color Contrast Check

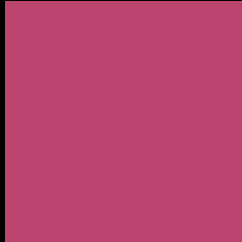
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 47, 51.611, 1.085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

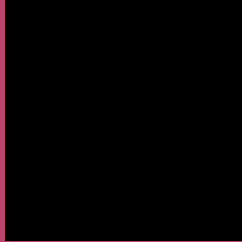
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 51.611, 1.085

Background



This preview shows how black text looks on a background with the CIELCh color 47, 51.611, 1.085.

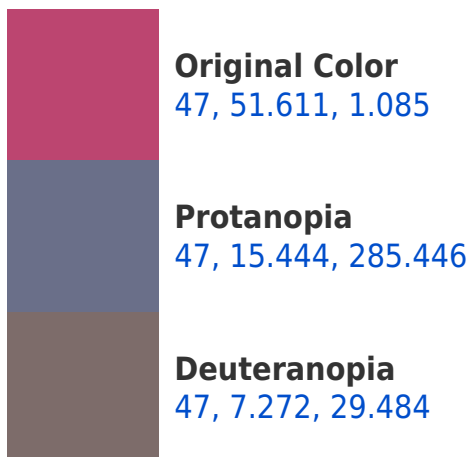


This preview shows how white text looks on a background with the CIELCh color 47, 51.611, 1.085.

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
47, 49.145, 24.033

Trichromacy



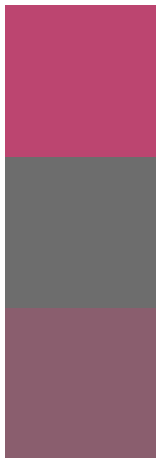
Original Color
47, 51.611, 1.085

Protanomaly
46, 24.573, 332.347

Deuteranomaly
46, 24.075, 3.037

Tritanomaly
47, 48.897, 15.253

Monochromacy



Original Color
47, 51.611, 1.085

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 20.542, 355.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 51.611, 1.085 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(188, 69, 112)` looks like.

```
.text, #text, p{  
    color:rgb(188, 69, 112)  
}
```

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(188, 69, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 69, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 51.611, 1.085 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(188, 69, 112) }
```

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

```
.border{ border-color:rgb(188, 69, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 69, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 69, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 69, 112);  
box-shadow:4px 4px 4px 4px rgb(188, 69,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 51.611, 1.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 69, 112) }
```

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

```
.background{ background-color: rgb(188, 69,  
112) }
```

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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