

Converting Colors

CIELCh(47, 49.311, 1.586)

Have a look what the booklet for
CIELCh(47, 49.311, 1.586) contains.

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Color

CIELCh(47, 49.221, 1.730)

Conversions

Conversions Part 1

Format	Color
Hex	B9486F
RGB	185, 72, 111
RGB Percent	73%, 28%, 44%
CMY	0.2757, 0.7187, 0.5657
CMYK	0.00, 0.61, 0.40, 0.28
HSL	339°, 45%, 50%
HSV	339°, 61%, 72%
XYZ	25.0917, 16.0195, 16.7364
YIQ	110.2330, 54.8290, 36.0850

Conversions

Conversions Part 2

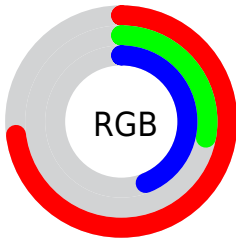
Format	Color
RYB	185, 72, 111
Decimal	12142703
CIELab	47.00, 49.20, 1.49
CIELCh	47, 49.221, 1.730
Yxy	16.0195, 0.4338, 0.2769
Android (android.graphics.Color)	4290332783 (0xFFB9486F)
YUV	110.2330, 0.3781, 65.5707
Hunter-Lab	40.0243, 41.8610, 3.2246

Details

The CIELCh color $47, 49.221, 1.730$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $68, 42.671, 165.865$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 48.916, 2.057$, and $27, 49.387, 1.515$ is the 20% darker color. If you saturate the color by 10%, you get $44, 55.780, 4.510$, and if you desaturate by 10%, it is $51, 41.694, 359.521$.

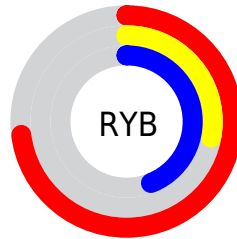
Distribution



Red (73%)

Green (28%)

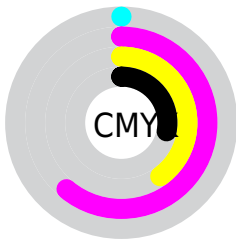
Blue (44%)



Red (73%)

Yellow (28%)

Blue (44%)

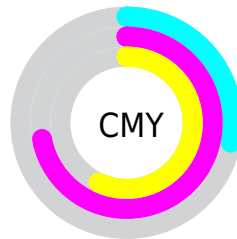


Cyan (0%)

Magenta (61%)

Yellow (40%)

Black (28%)



Cyan (28%)












Magenta (72%)







Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 49.221, 1.730 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, 49.221, 1.730 by changing the saturation by 10% instead.

 47, 49.221, 1.730	 47, 49.221, 1.730
 100, 49.221, 1.730	 37, 49.221, 1.730
 67, 49.221, 1.730	 27, 49.221, 1.730
 77, 49.221, 1.730	 17, 49.221, 1.730
 87, 49.221, 1.730	 7, 49.221, 1.730
 97, 49.221, 1.730	 0, 49.221, 1.730

 47, 49.221, 1.730	 47, 49.221, 1.730
 44, 55.780, 4.510	 51, 41.694, 359.521
 41, 61.043, 8.029	
 40, 64.883, 12.439	 55, 33.597, 357.732

39, 67.530, 16.912

60, 25.263,
356.249

64, 16.941,
354.992

69, 8.790, 353.892

74, 0.902, 352.517

80, 6.677, 172.227

85, 13.935,
171.442

90, 20.878,
170.752

Harmonies

Complementary

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



47, 49.221, 1.730



68, 42.671, 165.865

Rectangle

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



47, 49.221, 1.730



47, 49.221, 51.730



47, 49.221, 181.730



47, 49.221, 231.730

Sweetspot

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



47, 49.218, 1.732



83, 17.729, 354.664



44, 68.784, 316.586



43, 12.368, 354.995



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



47, 49.218, 1.732



56, 69.947, 5.493



49, 46.721, 36.845



36, 4.425, 353.701



32, 59.309, 16.102



2, 11.382, 359.333

Inverse Universe

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



47, 49.218, 1.732



56, 69.947, 5.493



64, 28.643, 216.783



36, 4.425, 353.701



32, 59.309, 16.102



2, 11.382, 359.333

Previews

White Background



This preview shows how the CIELCh color 47, 49.221, 1.730 looks on a white background.

Color Contrast Check

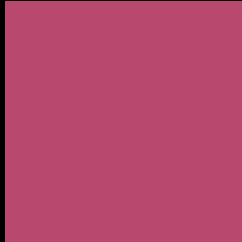
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 49.221, 1.730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

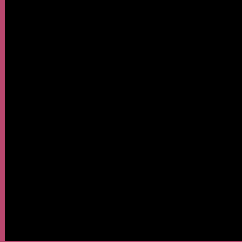
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 49.221, 1.730

Background



This preview shows how black text looks on a background with the CIELCh color 47, 49.221, 1.730.



This preview shows how white text looks on a background with the CIELCh color 47, 49.221, 1.730.

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

47, 49.221, 1.730

Protanopia

47, 13.655, 285.776

Deuteranopia

47, 7.415, 33.916



Tritanopia
47, 47.148, 22.811

Trichromacy



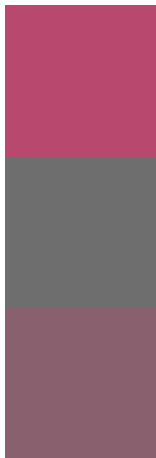
Original Color
47, 49.221, 1.730

Protanomaly
46, 22.791, 333.656

Deuteranomaly
46, 23.011, 4.965

Tritanomaly
47, 47.269, 15.046

Monochromacy



Original Color
47, 49.221, 1.730

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 18.939, 356.253

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 49.221, 1.730 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(185, 72, 111)` looks like.

```
.text, #text, p{  
    color:rgb(185, 72, 111)  
}
```

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(185, 72, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 72, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 49.221, 1.730 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(185, 72, 111) }
```

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

```
.border{ border-color:rgb(185, 72, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 72, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 72, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 72, 111);  
box-shadow:4px 4px 4px 4px rgb(185, 72,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 49.221, 1.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 72, 111) }
```

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

```
.background{ background-color: rgb(185, 72,  
111) }
```

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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