

Converting Colors

CIELCh(47, 49.560, 0.996)

Have a look what the booklet for
CIELCh(47, 49.560, 0.996) contains.

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Color

CIELCh(47, 49.765, 0.777)

Conversions

Conversions Part 1

Format	Color
Hex	B94770
RGB	185, 71, 112
RGB Percent	73%, 28%, 44%
CMY	0.2741, 0.7211, 0.5604
CMYK	0.00, 0.62, 0.39, 0.27
HSL	338°, 45%, 50%
HSV	338°, 62%, 73%
XYZ	25.2238, 16.0195, 17.1194
YIQ	109.7600, 54.7830, 36.9190

Conversions

Conversions Part 2

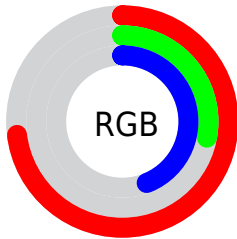
Format	Color
R_{YB}	185, 71, 112
Decimal	12142448
CIE _{Lab}	47.00, 49.76, 0.67
CIE _{LCh}	47, 49.765, 0.777
Yxy	16.0195, 0.4322, 0.2745
Android (android.graphics.Color)	4290332528 (0xFFB94770)
YUV	109.7600, 1.1043, 65.9855
Hunter-Lab	40.0243, 42.4501, 2.6572

Details

The CIELCh color $47, 49.765, 0.777$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $68, 43.550, 164.860$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 49.619, 0.490$, and $27, 49.735, 1.301$ is the 20% darker color. If you saturate the color by 10%, you get $44, 56.226, 3.525$, and if you desaturate by 10%, it is $51, 42.285, 358.593$.

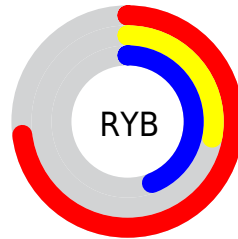
Distribution



Red (73%)

Green (28%)

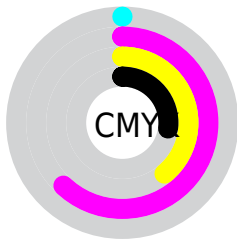
Blue (44%)



Red (73%)

Yellow (28%)

Blue (44%)

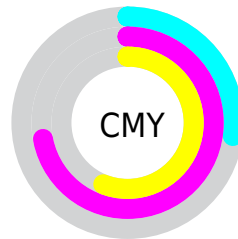


Cyan (0%)

Magenta (62%)

Yellow (39%)

Black (27%)



Cyan (27%)

Magenta (72%)

Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 49.765, 0.777 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, 49.765, 0.777 by changing the saturation by 10% instead.

 47, 49.765, 0.777  47, 49.765, 0.777

 100, 49.765, 0.777  37, 49.765, 0.777



 67, 49.765, 0.777  27, 49.765, 0.777



 77, 49.765, 0.777  17, 49.765, 0.777


 87, 49.765, 0.777  7, 49.765, 0.777

 97, 49.765, 0.777  0, 49.765, 0.777

 47, 49.765, 0.777  47, 49.765, 0.777

 44, 56.226, 3.525  51, 42.285,
358.593

 42, 61.336, 7.004  55, 34.190,
356.820

 40, 64.973, 11.370

39, 67.328, 15.577

59, 25.824,
355.350

64, 17.444,
354.100

69, 9.217, 353.006

74, 1.243, 351.765

80, 6.431, 171.342

85, 13.789,
170.554

90, 20.833,
169.861

Harmonies

Complementary

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



47, 49.765, 0.777



68, 43.550, 164.860

Rectangle

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



47, 49.765, 0.777



47, 49.765, 50.777



47, 49.765, 180.777



47, 49.765, 230.777

Sweetspot

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



47, 49.762, 0.779



83, 17.859, 353.726



44, 69.287, 316.090



43, 12.455, 354.054



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, 49.762, 0.779



56, 70.703, 4.691



49, 47.696, 35.742



36, 4.460, 352.772



32, 59.059, 14.768



2, 11.440, 358.583

Inverse Universe

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



47, 49.762, 0.779



56, 70.703, 4.691



65, 29.098, 214.332



36, 4.460, 352.772



32, 59.059, 14.768



2, 11.440, 358.583

Previews

White Background



This preview shows how the CIELCh color 47, 49.765, 0.777 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, 49.765, 0.777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

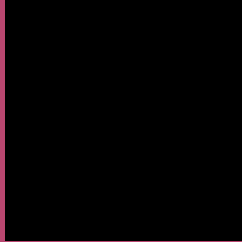
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 49.765, 0.777

Background



This preview shows how black text looks on a background with the CIELCh color 47, 49.765, 0.777.



This preview shows how white text looks on a background with the CIELCh color 47, 49.765, 0.777.

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, 49.765, 0.777

Protanopia

47, 14.859, 285.074

Deuteranopia

47, 7.175, 24.899



Tritanopia
47, 47.299, 23.493

Trichromacy



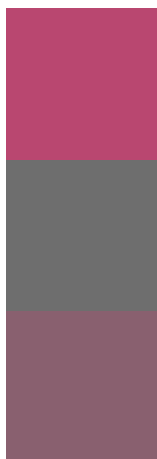
Original Color
47, 49.765, 0.777

Protanomaly
46, 23.908, 332.501

Deuteranomaly
46, 23.244, 2.136

Tritanomaly
47, 47.269, 15.046

Monochromacy



Original Color
47, 49.765, 0.777

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 19.151, 354.612

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 49.765, 0.777 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, 71, 112)` looks like.

```
.text, #text, p{  
    color:rgb(185, 71, 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(185, 71, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 71, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 49.765, 0.777 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, 71, 112) }
```

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

```
.border{ border-color:rgb(185, 71, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 71, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 71, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 71, 112);  
box-shadow:4px 4px 4px 4px rgb(185, 71,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 49.765, 0.777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 71, 112) }
```

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

```
.background{ background-color: rgb(185, 71,  
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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