

# Converting Colors

CIELCh(48, 75.709, 320.243)

Have a look what the booklet for  
CIELCh(48, 75.709, 320.243)  
contains.

<b>CIELCh(48, 75.762, 320.090)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(48, 75.762, 320.090)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A747C5
RGB	167, 71, 197
RGB Percent	65%, 28%, 77%
CMY	0.3445, 0.7210, 0.2269
CMYK	0.15, 0.64, 0.00, 0.23
HSL	286°, 52%, 53%
HSV	286°, 64%, 77%
XYZ	28.3252, 16.7945, 54.6603
YIQ	114.0680, 16.7700, 59.5380

# Conversions

## Conversions Part 2

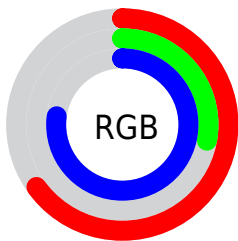
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	167, 71, 197
Decimal	10962885
CIE <sub>Lab</sub>	48.00, 58.11, -48.61
CIE <sub>LCh</sub>	48, 75.762, 320.090
Yxy	16.7945, 0.2839, 0.1683
Android (android.graphics.Color)	4289152965 (0xFFA747C5)
YUV	114.0680, 40.8855, 46.4214
Hunter-Lab	40.9810, 51.6583, -50.3940

# Details

The CIELCh color **48, 75.762, 320.090** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **72, 73.717, 134.125**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 75.797, 320.197**, and **28, 75.535, 320.106** is the 20% darker color. If you saturate the color by 10%, you get **44, 84.761, 320.171**, and if you desaturate by 10%, it is **52, 65.187, 319.857**.

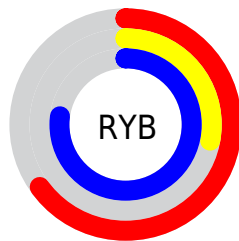
# Distribution



Red (65%)

Green (28%)

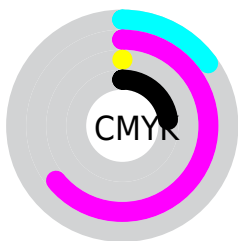
Blue (77%)



Red (65%)

Yellow (28%)

Blue (77%)

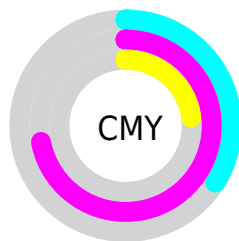


Cyan (15%)

Magenta (64%)

Yellow (0%)

Black (23%)



Cyan (34%)

Magenta (72%)


Yellow (23%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 75.762, 320.090 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, 75.762, 320.090 by changing the saturation by 10% instead.





 48, 75.762,  
320.090


 48, 75.762,  
320.090


 100, 75.762,  
320.090


 38, 75.762,  
320.090

 68, 75.762,  
320.090


 28, 75.762,  
320.090

 78, 75.762,  
320.090

 18, 75.762,  
320.090

 88, 75.762,  
320.090

 8, 75.762, 320.090

 98, 75.762,  
320.090

 0, 75.762, 320.090

 48, 75.762,

 48, 75.762,

320.090

44, 84.761,  
320.171

42, 91.611,  
320.046

40, 95.912,  
319.671

39, 97.619,  
319.356

320.090

52, 65.187,  
319.857

57, 53.605,  
319.521

62, 41.477,  
319.122

67, 29.143,  
318.690

72, 16.832,  
318.247

77, 4.691, 317.785

83, 7.192, 137.439

88, 18.770,  
137.032

■ 94, 30.022,  
136.664

# Harmonies

# Complementary

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



48, 75.762, 320.090



72, 73.717, 134.125

# Rectangle

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



48, 75.762, 320.090



48, 75.762, 10.090



48, 75.762, 140.090



48, 75.762, 190.090

# Sweetspot

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



48, 75.760, 320.090



87, 28.451, 318.486



46, 56.119, 289.582



45, 19.620, 318.614



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



48, 75.760, 320.090



56, 106.780, 320.146



51, 65.389, 337.135



39, 6.883, 318.044



32, 84.804, 319.467



3, 24.083, 316.689



# Inverse Universe

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



49, 53.472, 10.829



57, 77.107, 15.907



71, 66.307, 145.820



39, 4.488, 1.215



34, 64.690, 25.881

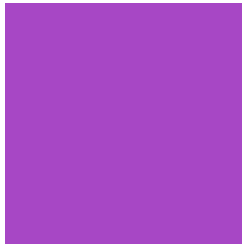


4, 16.295, 7.264



# Previews

## White Background



This preview shows how the CIELCh color 48, 75.762, 320.090 looks on a white background.

## Color Contrast Check

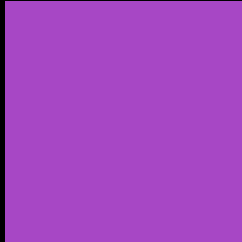
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 75.762, 320.090 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, 75.762, 320.090

## Background



This preview shows how black text looks on a background with the CIELCh color 48, 75.762, 320.090.

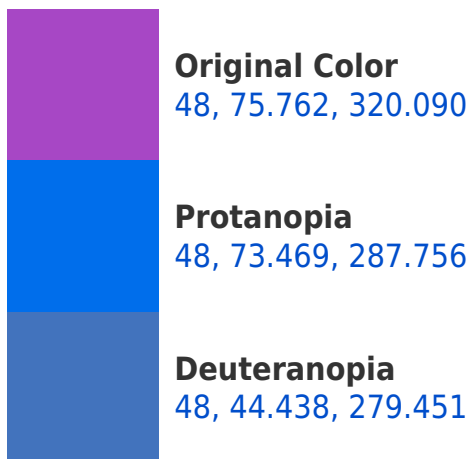


This preview shows how white text looks on a background with the CIELCh color 48, 75.762, 320.090.

# 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, 24.319, 11.785

# Trichromacy



**Original Color**  
48, 75.762, 320.090



**Protanomaly**  
45, 73.896, 293.963



**Deuteranomaly**  
46, 55.024, 298.212



**Tritanomaly**  
47, 39.621, 336.797

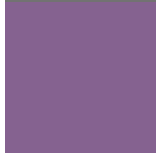
# Monochromacy



**Original Color**  
48, 75.762, 320.090



**Achromatopsia**  
48, 0.006, 296.813



**Achromatomaly**  
47, 30.220, 318.973

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 48, 75.762, 320.090 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(167, 71, 197)` looks like.

```
.text, #text, p{  
    color:rgb(167, 71, 197)  
}
```

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(167, 71, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 71, 197) }
```

## Border

The CSS property to change the border of an element to CIELCh 48, 75.762, 320.090 is called "border". The border property can be set on classes, ids or directly on the HTML element.

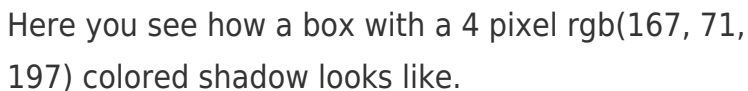
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 71, 197) }
```

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

```
.border{ border-color:rgb(167, 71, 197) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 71, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 71, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 71, 197); box-shadow:4px 4px 4px 4px rgb(167, 71, 197) }
```

# Background

The CSS property to change the background color of an element to CIELCh 48, 75.762, 320.090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 71, 197) }
```

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

```
.background{ background-color: rgb(167, 71,  
197) }
```

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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