

# Converting Colors

CIELCh(47, 74.314, 320.728)

Have a look what the booklet for  
CIELCh(47, 74.314, 320.728)  
contains.

<b>CIELCh(47, 74.393, 320.668)</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(47, 74.393, 320.668)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A545C0
RGB	165, 69, 192
RGB Percent	65%, 27%, 75%
CMY	0.3535, 0.7300, 0.2477
CMYK	0.14, 0.64, 0.00, 0.25
HSL	287°, 49%, 51%
HSV	287°, 64%, 75%
XYZ	27.1011, 16.0195, 51.4444
YIQ	111.7260, 17.7330, 58.6050

# Conversions

## Conversions Part 2

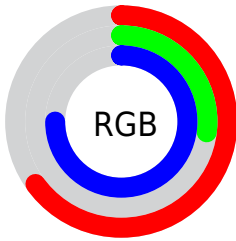
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">165, 69, 192</a>
Decimal	<a href="#">10831296</a>
CIELab	<a href="#">47.00, 57.54, -47.15</a>
CIElCh	<a href="#">47, 74.393, 320.668</a>
Yxy	<a href="#">16.0195, 0.2866, 0.1694</a>
Android (android.graphics.Color)	<a href="#">4289021376 (0xFFA545C0)</a>
YUV	<a href="#">111.7260, 39.5751, 46.7213</a>
Hunter-Lab	<a href="#">40.0243, 50.8227, -48.1901</a>

# Details

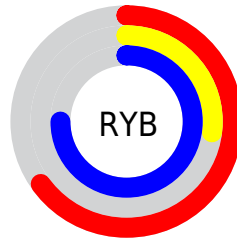
The CIELCh color **47, 74.393, 320.668** is a dark color, and the websafe version is hex **993399**. The color can be described as middle muted purple. A complement of this color would be **70, 72.685, 134.563**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 74.521, 320.763**, and **27, 74.656, 320.521** is the 20% darker color. If you saturate the color by 10%, you get **44, 83.088, 320.752**, and if you desaturate by 10%, it is **51, 64.122, 320.436**.

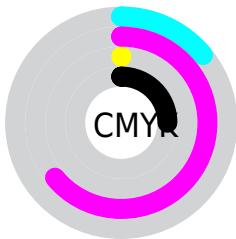
# Distribution



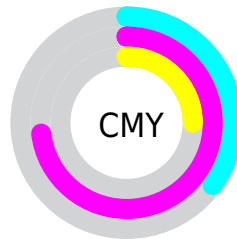
- Red (65%)
- Green (27%)
- Blue (75%)



- Red (65%)
- Yellow (27%)
- Blue (75%)



- Cyan (14%)
- Magenta (64%)
- Yellow (0%)
- Black (25%)



- Cyan (35%)
- Magenta (73%)
- Yellow (25%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 74.393, 320.668 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, 74.393, 320.668 by changing the saturation by 10% instead.



 47, 74.393,  
320.668

 47, 74.393,  
320.668

 100, 74.393,  
320.668

 37, 74.393,  
320.668

 67, 74.393,  
320.668

 27, 74.393,  
320.668

 77, 74.393,  
320.668

 17, 74.393,  
320.668

 87, 74.393,  
320.668

 7, 74.393, 320.668

 97, 74.393,  
320.668

 0, 74.393, 320.668

 47, 74.393,

 47, 74.393,

320.668

44, 83.088,  
320.752

41, 89.666,  
320.638

39, 93.761,  
320.287

38, 95.366,  
320.005

320.668

51, 64.122,  
320.436

55, 52.829,  
320.101

60, 40.966,  
319.702

65, 28.873,  
319.270

70, 16.783,  
318.824

75, 4.848, 318.360

81, 6.844, 138.009

86, 18.240,  
137.594

■ 92, 29.316,  
137.218

# Harmonies

# Complementary

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



47, 74.393, 320.668



70, 72.685, 134.563

# Rectangle

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



47, 74.393, 320.668



47, 74.393, 10.668



47, 74.393, 140.668



47, 74.393, 190.668

# Sweetspot

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



47, 74.391, 320.668



86, 28.121, 319.057



44, 56.355, 290.550



44, 19.385, 319.185



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



47, 74.391, 320.668



55, 105.013, 320.732



49, 63.442, 337.935



38, 6.771, 318.611



32, 83.580, 320.104



3, 21.819, 316.609



# Inverse Universe

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



47, 52.520, 12.301



56, 76.241, 17.377



69, 64.221, 146.382



38, 4.360, 2.584



33, 64.627, 27.299

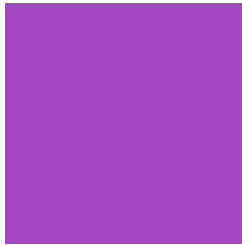


3, 14.342, 7.598



# Previews

## White Background



This preview shows how the CIELCh color 47, 74.393, 320.668 looks on a white background.

## Color Contrast Check

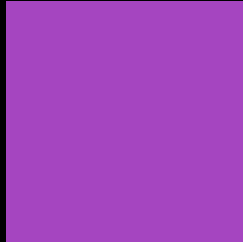
Large Text (above 18pt) WCAG AA ✓ Pass

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, 74.393, 320.668 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

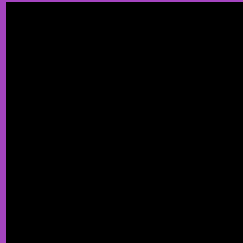
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 47, 74.393, 320.668

## Background



This preview shows how black text looks on a background with the CIELCh color 47, 74.393, 320.668.

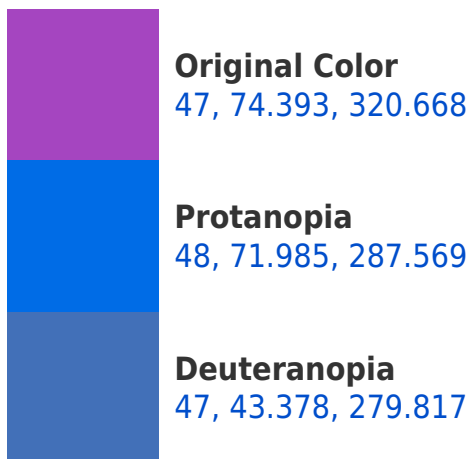


This preview shows how white text looks on a background with the CIELCh color 47, 74.393, 320.668.

# 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, 24.387, 13.220

# Trichromacy



**Original Color**  
47, 74.393, 320.668



**Protanomaly**  
44, 72.407, 293.920



**Deuteranomaly**  
45, 54.116, 298.840



**Tritanomaly**  
46, 38.952, 338.113

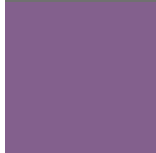
# Monochromacy



**Original Color**  
47, 74.393, 320.668



**Achromatopsia**  
47, 0.006, 296.813



**Achromatomaly**  
46, 29.787, 319.494

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 47, 74.393, 320.668 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(165, 69, 192)` looks like.

```
.text, #text, p{  
    color:rgb(165, 69, 192)  
}
```

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(165, 69, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 69, 192) }
```

## Border

The CSS property to change the border of an element to CIELCh 47, 74.393, 320.668 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(165, 69, 192) }
```

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

```
.border{ border-color:rgb(165, 69, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 69, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 69, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 69, 192);  
box-shadow:4px 4px 4px 4px rgb(165, 69,  
192) }
```

# Background

The CSS property to change the background color of an element to CIELCh 47, 74.393, 320.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 69, 192) }
```

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

```
.background{ background-color: rgb(165, 69,  
192) }
```

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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