

# Converting Colors

CIELCh(47, 57.615, 336.043)

Have a look what the booklet for  
CIELCh(47, 57.615, 336.043)  
contains.

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**Color**

**CIELCh(47, 57.613, 336.092)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B14798
RGB	177, 71, 152
RGB Percent	69%, 28%, 60%
CMY	0.3074, 0.7230, 0.4053
CMYK	0.00, 0.60, 0.14, 0.31
HSL	314°, 43%, 48%
HSV	314°, 60%, 69%
XYZ	25.9151, 16.0195, 31.2817
YIQ	111.9280, 37.1750, 47.6630

# Conversions

## Conversions Part 2

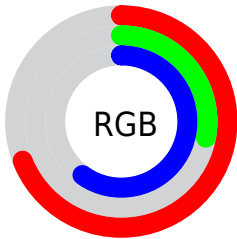
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 71, 152
Decimal	11618200
CIELab	47.00, 52.67, -23.35
CIELCh	47, 57.613, 336.092
Yxy	16.0195, 0.3540, 0.2188
Android (android.graphics.Color)	4289808280 (0xFFB14798)
YUV	111.9280, 19.7555, 57.0681
Hunter-Lab	40.0243, 45.5335, -18.3221

# Details

The CIELCh color  $47, 57.613, 336.092$  is a dark color, and the websafe version is hex  $993399$ . A complement of this color would be  $65, 58.119, 145.981$ , and the grayscale version is  $47, 0.006, 296.813$ .

A 20% lighter version of the original color is  $67, 57.448, 336.290$ , and  $27, 57.766, 335.852$  is the 20% darker color. If you saturate the color by 10%, you get  $44, 64.438, 336.974$ , and if you desaturate by 10%, it is  $50, 49.344, 335.279$ .

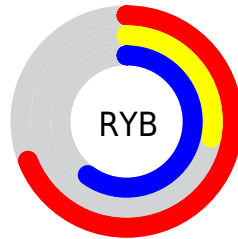
# Distribution



Red (69%)

Green (28%)

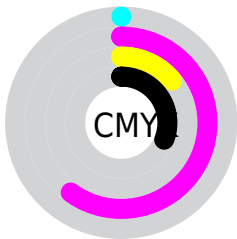
Blue (60%)



Red (69%)

Yellow (28%)

Blue (60%)

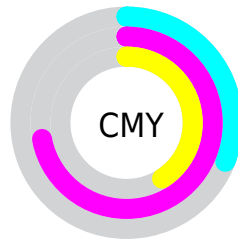


Cyan (0%)

Magenta (60%)

Yellow (14%)

Black (31%)



Cyan (31%)

Magenta (72%)


Yellow (41%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 57.613, 336.092 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, 57.613, 336.092 by changing the saturation by 10% instead.




 47, 57.613,  
336.092


 47, 57.613,  
336.092


 100, 57.613,  
336.092


 37, 57.613,  
336.092

 67, 57.613,  
336.092


 27, 57.613,  
336.092

 77, 57.613,  
336.092

 17, 57.613,  
336.092

 87, 57.613,  
336.092

 7, 57.613, 336.092

 97, 57.613,  
336.092

 0, 57.613, 336.092

 47, 57.613,

 47, 57.613,

336.092

44, 64.438,  
336.974

42, 69.397,  
337.955

41, 72.213,  
339.078

40, 73.245,  
340.358

336.092

50, 49.344,  
335.279

54, 40.095,  
334.513

58, 30.265,  
333.785

63, 20.170,  
333.088

67, 10.034,  
332.411

72, 0.010, 302.444

77, 9.812, 151.236

82, 19.377,  
150.650

■ 87, 28.662,  
150.104

# Harmonies

# Complementary

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



47, 57.613, 336.092



65, 58.119, 145.981

# Rectangle

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



47, 57.613, 336.092



47, 57.613, 26.092



47, 57.613, 156.092



47, 57.613, 206.092

# Sweetspot

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



47, 57.610, 336.092



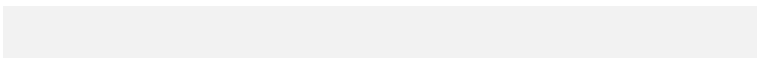
81, 22.445, 332.972



38, 64.706, 304.741



41, 15.595, 333.167



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



47, 57.610, 336.092



56, 80.602, 337.279



45, 46.133, 7.377



35, 5.728, 332.366



34, 66.014, 340.186



2, 12.899, 335.389



# Inverse Universe

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



47, 57.610, 336.092



56, 80.602, 337.279



66, 37.751, 171.717



35, 5.728, 332.366



34, 66.014, 340.186



2, 12.899, 335.389



# Previews

## White Background



This preview shows how the CIELCh color 47, 57.613, 336.092 looks on a white background.

## Color Contrast Check

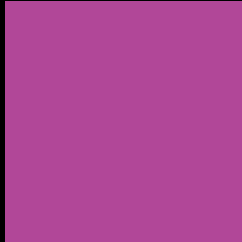
Large Text (above 18pt) WCAG AA ✓ Pass

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, 57.613, 336.092 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

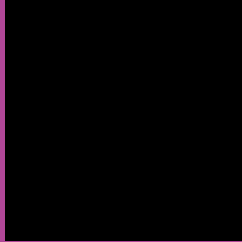
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

# CIELCh 47, 57.613, 336.092

## Background



This preview shows how black text looks on a background with the CIELCh color 47, 57.613, 336.092.



This preview shows how white text looks on a background with the CIELCh color 47, 57.613, 336.092.

# 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, 57.613, 336.092

### Protanopia

48, 43.312, 285.723

### Deuteranopia

47, 20.741, 288.057





**Tritanopia**  
47, 37.533, 19.781

# Trichromacy



**Original Color**  
47, 57.613, 336.092



**Protanomaly**  
46, 45.749, 304.281



**Deuteranomaly**  
46, 32.902, 316.745



**Tritanomaly**  
47, 41.706, 358.539

# Monochromacy



**Original Color**  
47, 57.613, 336.092



**Achromatopsia**  
47, 0.006, 296.813



**Achromatomaly**  
46, 22.791, 333.656

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 47, 57.613, 336.092 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(177, 71, 152)` looks like.

```
.text, #text, p{  
    color:rgb(177, 71, 152)  
}
```

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(177, 71, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 71, 152) }
```

## Border

The CSS property to change the border of an element to CIELCh 47, 57.613, 336.092 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(177, 71, 152) }
```

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

```
.border{ border-color:rgb(177, 71, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 71, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 71, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 71, 152);  
box-shadow:4px 4px 4px 4px rgb(177, 71,  
152) }
```

# Background

The CSS property to change the background color of an element to CIELCh 47, 57.613, 336.092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 71, 152) }
```

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

```
.background{ background-color: rgb(177, 71,  
152) }
```

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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