

# Converting Colors

CIELCh(47, 54.258, 3.003)

Have a look what the booklet for  
CIELCh(47, 54.258, 3.003) contains.

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**Color**

**CIELCh(47, 54.303, 3.000)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0416D
RGB	192, 65, 109
RGB Percent	75%, 25%, 43%
CMY	0.2482, 0.7461, 0.5735
CMYK	0.00, 0.66, 0.43, 0.25
HSL	339°, 50%, 50%
HSV	339°, 66%, 75%
XYZ	26.2907, 16.0195, 16.1089
YIQ	107.9890, 61.5680, 40.6080

# Conversions

## Conversions Part 2

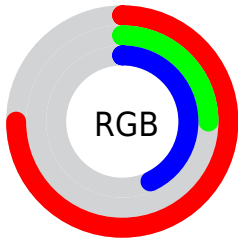
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 65, 109
Decimal	12599661
CIE <sub>Lab</sub>	47.00, 54.23, 2.84
CIE <sub>LCh</sub>	47, 54.303, 3.000
Yxy	16.0195, 0.4500, 0.2742
Android (android.graphics.Color)	4290789741 (0xFFC0416D)
YUV	107.9890, 0.4984, 73.6776
Hunter-Lab	40.0243, 47.2086, 4.1542

# Details

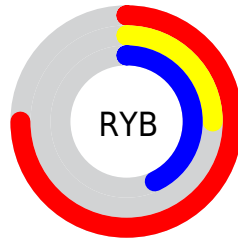
The CIELCh color **47, 54.303, 3.000** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **70, 46.808, 164.936**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 54.285, 3.082**, and **28, 52.401, 4.231** is the 20% darker color. If you saturate the color by 10%, you get **44, 60.386, 6.149**, and if you desaturate by 10%, it is **51, 47.017, 0.513**.

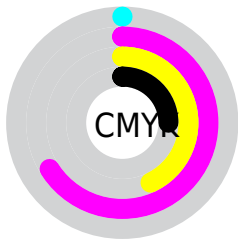
# Distribution



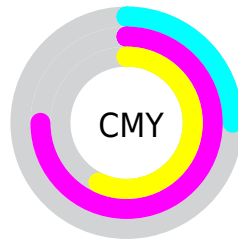
- Red (75%)
- Green (25%)
- Blue (43%)



- Red (75%)
- Yellow (25%)
- Blue (43%)



- Cyan (0%)
- Magenta (66%)
- Yellow (43%)
- Black (25%)



- Cyan (25%)
- Magenta (75%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 54.303, 3.000 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, 54.303, 3.000 by changing the saturation by 10% instead.



 47, 54.303, 3.000       47, 54.303, 3.000

 100, 54.303, 3.000       37, 54.303, 3.000

 67, 54.303, 3.000       27, 54.303, 3.000

 77, 54.303, 3.000       17, 54.303, 3.000

 87, 54.303, 3.000       7, 54.303, 3.000

 97, 54.303, 3.000       0, 54.303, 3.000

 47, 54.303, 3.000       47, 54.303, 3.000

 44, 60.386, 6.149       51, 47.017, 0.513

 42, 65.018, 10.128       55, 38.930,  
358.520

 41, 68.277, 15.023

41, 69.439, 16.944

59, 30.427,  
356.889

64, 21.814,  
355.523

69, 13.300,  
354.349

74, 5.018, 353.285

80, 2.966, 172.635

85, 10.622,  
171.733

90, 17.948,  
170.999

# Harmonies

# Complementary

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



47, 54.303, 3.000



70, 46.808, 164.936

# Rectangle

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



47, 54.303, 3.000



47, 54.303, 53.000



47, 54.303, 183.000



47, 54.303, 233.000

# Sweetspot

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



47, 54.300, 3.002



85, 20.456, 354.810



44, 76.056, 316.692



44, 14.011, 355.144



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, 54.300, 3.002



56, 76.204, 7.649



49, 53.030, 37.540



38, 4.631, 353.618



34, 60.739, 16.136



3, 14.814, 1.073





# Inverse Universe

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



47, 54.300, 3.002



56, 76.204, 7.649



65, 30.870, 217.470



38, 4.631, 353.618



34, 60.739, 16.136



3, 14.814, 1.073



# Previews

## White Background



This preview shows how the CIELCh color 47, 54.303, 3.000 looks on a white background.

## Color Contrast Check

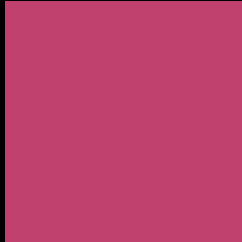
Large Text (above 18pt) WCAG AA ✓ Pass

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, 54.303, 3.000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

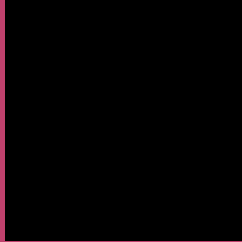
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 47, 54.303, 3.000

## Background



This preview shows how black text looks on a background with the CIELCh color 47, 54.303, 3.000.

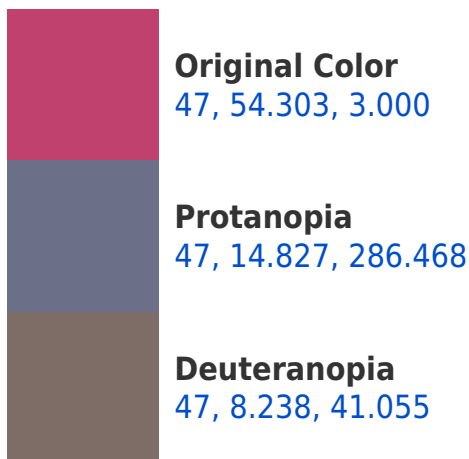


This preview shows how white text looks on a background with the CIELCh color 47, 54.303, 3.000.

# 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, 52.923, 25.617



# Trichromacy



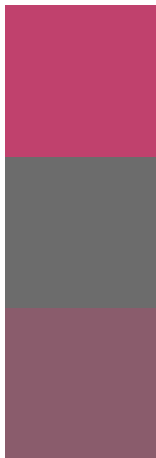
**Original Color**  
47, 54.303, 3.000

**Protanomaly**  
46, 25.623, 335.369

**Deuteranomaly**  
46, 25.665, 5.994

**Tritanomaly**  
47, 52.648, 17.167

# Monochromacy



**Original Color**  
47, 54.303, 3.000

**Achromatopsia**  
46, 0.006, 296.813

**Achromatomaly**  
44, 21.353, 356.273

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 47, 54.303, 3.000 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(192, 65, 109)` looks like.

```
.text, #text, p{  
    color:rgb(192, 65, 109)  
}
```

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(192, 65, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 65, 109) }
```

## Border

The CSS property to change the border of an element to CIELCh 47, 54.303, 3.000 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(192, 65, 109) }
```

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

```
.border{ border-color:rgb(192, 65, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 65, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 65, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 65, 109);  
box-shadow:4px 4px 4px 4px rgb(192, 65,  
109) }
```

# Background

The CSS property to change the background color of an element to CIELCh 47, 54.303, 3.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 65, 109) }
```

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

```
.background{ background-color: rgb(192, 65,  
109) }
```

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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