

# Converting Colors

CIELCh(57, 53.358, 329.997)

Have a look what the booklet for  
CIELCh(57, 53.358, 329.997)  
contains.

<b>CIELCh(57, 53.328, 329.985)</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(57, 53.328, 329.985)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C169B8
RGB	193, 105, 184
RGB Percent	76%, 41%, 72%
CMY	0.2429, 0.5880, 0.2782
CMYK	0.00, 0.46, 0.05, 0.24
HSL	306°, 42%, 58%
HSV	306°, 46%, 76%
XYZ	35.7225, 24.9227, 48.3065
YIQ	140.3180, 27.0890, 43.2250

# Conversions

## Conversions Part 2

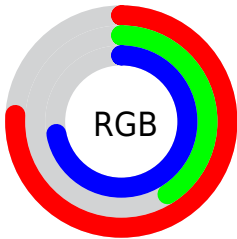
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 105, 184
Decimal	12675512
CIE <sub>Lab</sub>	57.00, 46.18, -26.68
CIE <sub>LCh</sub>	57, 53.328, 329.985
Yxy	24.9227, 0.3279, 0.2287
Android (android.graphics.Color)	4290865592 (0xFFC169B8)
YUV	140.3180, 21.5352, 46.2021
Hunter-Lab	49.9226, 40.3625, -22.4248

# Details

The CIELCh color **57, 53.328, 329.985** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **71, 53.509, 143.616**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 53.035, 330.073**, and **37, 53.385, 329.695** is the 20% darker color. If you saturate the color by 10%, you get **53, 63.536, 330.546**, and if you desaturate by 10%, it is **61, 42.157, 329.407**.

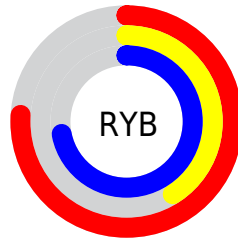
# Distribution



Red (76%)

Green (41%)

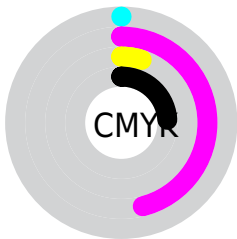
Blue (72%)



Red (76%)

Yellow (41%)

Blue (72%)

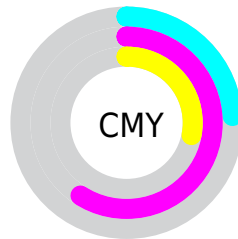


Cyan (0%)

Magenta (46%)

Yellow (5%)

Black (24%)



Cyan (24%)

Magenta (59%)


Yellow (28%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 53.328, 329.985 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 57, 53.328, 329.985 by changing the saturation by 10% instead.





 57, 53.328,  
329.985


 57, 53.328,  
329.985


 100, 53.328,  
329.985


 47, 53.328,  
329.985


 77, 53.328,  
329.985

 37, 53.328,  
329.985

 87, 53.328,  
329.985

 27, 53.328,  
329.985

 97, 53.328,  
329.985

 17, 53.328,  
329.985

 7, 53.328, 329.985

 0, 53.328, 329.985

57, 53.328,  
329.985

57, 53.328,  
329.985

53, 63.536,  
330.546

61, 42.157,  
329.407

50, 72.305,  
331.083

66, 30.446,  
328.818

48, 79.151,  
331.595

70, 18.517,  
328.226

46, 83.719,  
332.088

75, 6.598, 327.620

45, 85.928,  
332.575


80, 5.157, 147.150

45, 86.490,  
332.791

85, 16.653,  
146.567

91, 27.837,  
146.036

95, 35.993,  
145.871

 95, 35.184,  
146.847

# Harmonies

# Complementary

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



57, 53.328, 329.985



71, 53.509, 143.616

# Rectangle

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



57, 53.328, 329.985



57, 53.328, 19.985



57, 53.328, 149.985



57, 53.328, 199.985

# Sweetspot

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



57, 53.326, 329.985



90, 20.502, 328.145



49, 51.732, 299.293



46, 14.164, 328.274



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



57, 53.326, 329.985



68, 77.463, 330.561



55, 39.398, 354.734



38, 6.736, 327.855



37, 75.561, 332.722



4, 22.007, 330.054



# Inverse Universe

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



57, 53.326, 329.985



68, 77.463, 330.561



72, 36.089, 164.608



38, 6.736, 327.855



37, 75.561, 332.722



4, 22.007, 330.054



# Previews

## White Background



This preview shows how the CIELCh color 57, 53.328, 329.985 looks on a white background.

## Color Contrast Check

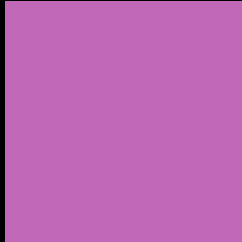
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 57, 53.328, 329.985 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

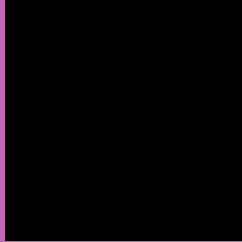
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 57, 53.328, 329.985

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 53.328, 329.985.

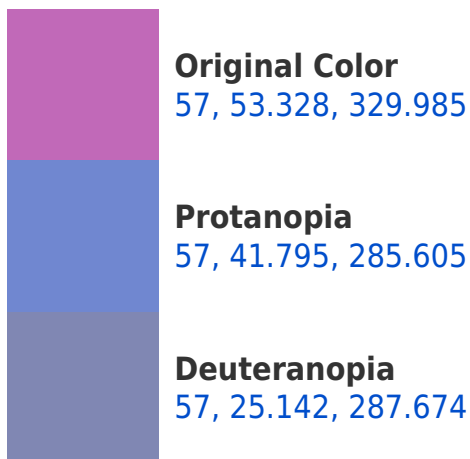


This preview shows how white text looks on a background with the CIELCh color 57, 53.328, 329.985.

# 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**  
57, 28.554, 12.704

# Trichromacy



**Original Color**  
57, 53.328, 329.985

**Protanomaly**  
56, 43.387, 302.129

**Deuteranomaly**  
57, 34.160, 310.301

**Tritanomaly**  
57, 35.226, 350.009

# Monochromacy



**Original Color**  
57, 53.328, 329.985

**Achromatopsia**  
58, 0.007, 296.813

**Achromatomaly**  
57, 20.564, 328.212

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 53.328, 329.985 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(193, 105, 184)` looks like.

```
.text, #text, p{  
    color:rgb(193, 105, 184)  
}
```

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(193, 105, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 105, 184) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 53.328, 329.985 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(193, 105, 184) }
```

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

```
.border{ border-color:rgb(193, 105, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 105, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 105, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 105, 184); box-shadow:4px 4px 4px 4px rgb(193, 105, 184) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 53.328, 329.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 105, 184) }
```

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

```
.background{ background-color: rgb(193,  
105, 184) }
```

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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