

# Converting Colors

CIELCh(66, 55.979, 336.072)

Have a look what the booklet for  
CIELCh(66, 55.979, 336.072)  
contains.

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**Color**

**CIELCh(66, 56.216, 336.176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E67BCA
RGB	230, 123, 202
RGB Percent	90%, 48%, 79%
CMY	0.0974, 0.5170, 0.2072
CMYK	0.00, 0.46, 0.12, 0.10
HSL	316°, 68%, 69%
HSV	316°, 46%, 90%
XYZ	50.4648, 35.3238, 60.1297
YIQ	163.9990, 38.4130, 47.2530

# Conversions

## Conversions Part 2

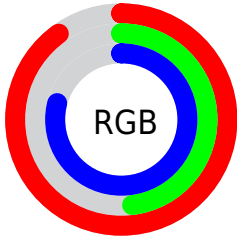
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 123, 202
Decimal	15104970
CIE <sub>Lab</sub>	66.00, 51.43, -22.71
CIE <sub>LCh</sub>	66, 56.216, 336.176
Y <sub>xy</sub>	35.3238, 0.3458, 0.2421
Android (android.graphics.Color)	4293295050 (0xFFE67BCA)
YUV	163.9990, 18.7345, 57.8829
Hunter-Lab	59.4338, 47.5537, -18.3805

# Details

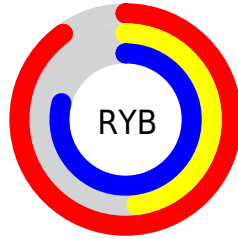
The CIELCh color  $66, 56.216, 336.176$  is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be  $84, 55.933, 148.570$ , and the grayscale version is  $67, 0.008, 296.813$ .

A 20% lighter version of the original color is  $82, 48.201, 326.091$ , and  $46, 56.411, 335.955$  is the 20% darker color. If you saturate the color by 10%, you get  $62, 66.670, 337.050$ , and if you desaturate by 10%, it is  $71, 44.684, 335.365$ .

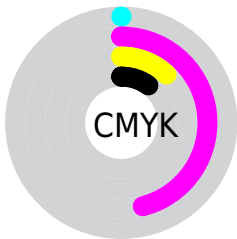
# Distribution



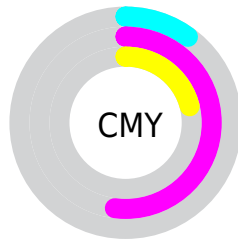
- Red (90%)
- Green (48%)
- Blue (79%)



- Red (90%)
- Yellow (48%)
- Blue (79%)



- Cyan (0%)
- Magenta (46%)
- Yellow (12%)
- Black (10%)




- Cyan (10%)
- Magenta (52%)
- Yellow (21%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 56.216, 336.176 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 66, 56.216, 336.176 by changing the saturation by 10% instead.





 66, 56.216,  
336.176


 66, 56.216,  
336.176


 100, 56.216,  
336.176


 56, 56.216,  
336.176


 86, 56.216,  
336.176

 46, 56.216,  
336.176


 96, 56.216,  
336.176

 36, 56.216,  
336.176

 26, 56.216,  
336.176

 16, 56.216,  
336.176

 6, 56.216, 336.176

 0, 56.216, 336.176

66, 56.216,  
336.176

66, 56.216,  
336.176

62, 66.670,  
337.050

71, 44.684,  
335.365

58, 75.483,  
338.009

76, 32.566,  
334.601

55, 82.078,  
339.091

82, 20.224,  
333.875

53, 86.036,  
340.349

88, 7.909, 333.164

93, 4.215, 152.650

52, 87.307,  
341.846

98, 12.259,  
154.748

52, 87.397,  
342.413

98, 10.270,  
166.799

98, 8.901, 183.429



# Harmonies

# Complementary

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



66, 56.216, 336.176



84, 55.933, 148.570

# Rectangle

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



66, 56.216, 336.176



66, 56.216, 26.176



66, 56.216, 156.176



66, 56.216, 206.176

# Sweetspot

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



66, 56.213, 336.176



91, 18.631, 333.703



58, 61.223, 303.809



47, 12.878, 333.857



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



66, 56.213, 336.176



68, 71.856, 337.034



64, 44.338, 5.730



45, 6.918, 333.377



40, 72.476, 342.114



8, 31.261, 339.456



# Inverse Universe

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



66, 56.213, 336.176



68, 71.856, 337.034



85, 37.411, 174.675



45, 6.918, 333.377



40, 72.476, 342.114



8, 31.261, 339.456



# Previews

## White Background



This preview shows how the CIELCh color 66, 56.216, 336.176 looks on a white background.

## Color Contrast Check

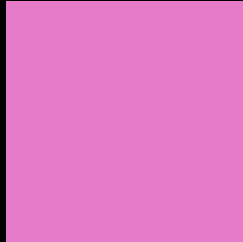
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 66, 56.216, 336.176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

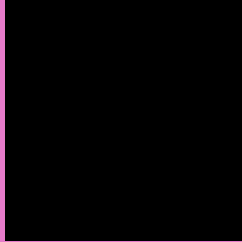
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 66, 56.216, 336.176

## Background



This preview shows how black text looks on a background with the CIELCh color 66, 56.216, 336.176.

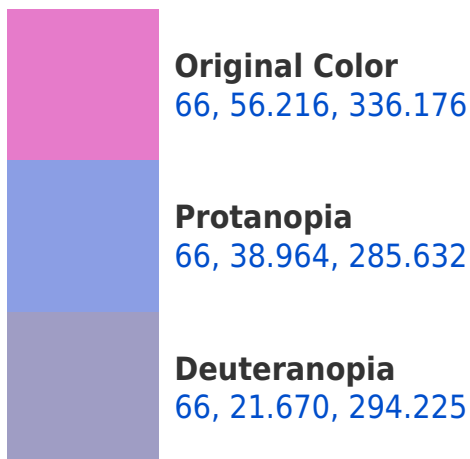


This preview shows how white text looks on a background with the CIELCh color 66, 56.216, 336.176.

# 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**  
66, 36.409, 14.847

# Trichromacy



**Original Color**  
66, 56.216, 336.176



**Protanomaly**  
65, 42.264, 306.296



**Deuteranomaly**  
65, 32.732, 318.591

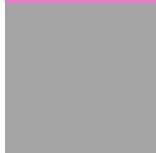


**Tritanomaly**  
66, 40.793, 356.368

# Monochromacy



**Original Color**  
66, 56.216, 336.176



**Achromatopsia**  
67, 0.008, 296.813



**Achromatomaly**  
66, 21.697, 333.949

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 56.216, 336.176 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(230, 123, 202)` looks like.

```
.text, #text, p{  
    color:rgb(230, 123, 202)  
}
```

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(230, 123, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 123, 202) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 56.216, 336.176 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(230, 123, 202) }
```

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

```
.border{ border-color:rgb(230, 123, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 123, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 123, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 123, 202);  
box-shadow:4px 4px 4px 4px rgb(230, 123,  
202) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 56.216, 336.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 123, 202) }
```

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

```
.background{ background-color: rgb(230,  
123, 202) }
```

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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