

# Converting Colors

CIELCh(60, 27.355, 5.331)

Have a look what the booklet for  
CIELCh(60, 27.355, 5.331) contains.

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# **Color**

**CIELCh(60, 27.767, 5.182)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C07E8D
RGB	192, 126, 141
RGB Percent	75%, 49%, 55%
CMY	0.2463, 0.5052, 0.4464
CMYK	0.00, 0.34, 0.27, 0.25
HSL	346°, 34%, 62%
HSV	346°, 34%, 75%
XYZ	34.0873, 28.1233, 28.8967
YIQ	147.4440, 34.5210, 18.6570

# Conversions

## Conversions Part 2

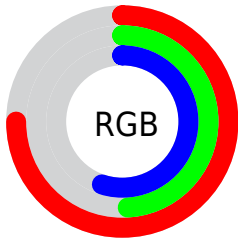
Format	Color
R <sub>Y</sub> B	192, 126, 141
Decimal	12615309
CIE Lab	60.00, 27.65, 2.51
CIE LCh	60, 27.767, 5.182
Yxy	28.1233, 0.3741, 0.3087
Android (android.graphics.Color)	4290805389 (0xFFC07E8D)
YUV	147.4440, -3.1769, 39.0756
Hunter-Lab	53.0314, 21.9305, 4.8150

# Details

The CIELCh color **60, 27.767, 5.182** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **73, 24.339, 177.900**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 28.131, 4.506**, and **40, 27.731, 5.325** is the 20% darker color. If you saturate the color by 10%, you get **55, 36.329, 6.917**, and if you desaturate by 10%, it is **65, 19.312, 3.761**.

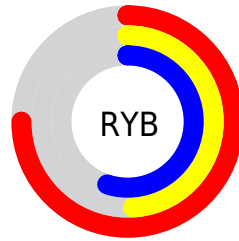
# Distribution



Red (75%)

Green (49%)

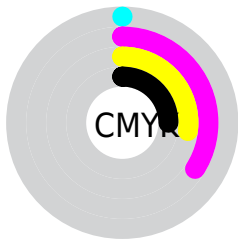
Blue (55%)



Red (75%)

Yellow (49%)

Blue (55%)

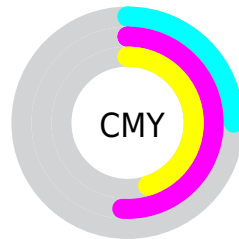


Cyan (0%)

Magenta (34%)

Yellow (27%)

Black (25%)



Cyan (25%)

Magenta (51%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 27.767, 5.182 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 60, 27.767, 5.182 by changing the saturation by 10% instead.



 60, 27.767, 5.182       60, 27.767, 5.182

 100, 27.767, 5.182       50, 27.767, 5.182

 80, 27.767, 5.182       40, 27.767, 5.182


 90, 27.767, 5.182       30, 27.767, 5.182

 20, 27.767, 5.182

 10, 27.767, 5.182

 0, 27.767, 5.182

 60, 27.767, 5.182       60, 27.767, 5.182

 55, 36.329, 6.917       65, 19.312, 3.761

 51, 44.763, 9.069       70, 11.126, 2.560

47, 52.745, 11.779

75, 3.291, 1.449

44, 59.934, 15.206

81, 4.159, 180.844

42, 66.087, 19.475

86, 11.223,  
180.008

41, 71.203, 24.563

92, 17.917,  
179.315

40, 73.925, 27.512

96, 21.574,  
184.437

96, 20.455,  
198.159

# Harmonies

# Complementary

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



60, 27.767, 5.182



73, 24.339, 177.900

# Rectangle

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



60, 27.767, 5.182



60, 27.767, 55.182



60, 27.767, 185.182



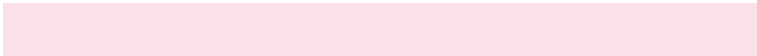
60, 27.767, 235.182

# Sweetspot

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



60, 27.765, 5.185



92, 9.501, 2.101



60, 41.190, 319.285



48, 6.503, 2.254



99, 0.012, 296.813



52, 0.007, 296.813



# Same Dimension

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



60, 27.765, 5.185



72, 41.450, 6.415



64, 22.904, 46.054



38, 4.373, 2.016



33, 64.325, 26.689



3, 14.365, 7.201





# Inverse Universe

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



60, 27.765, 5.185



72, 41.450, 6.415



69, 18.327, 230.434



38, 4.373, 2.016



33, 64.325, 26.689

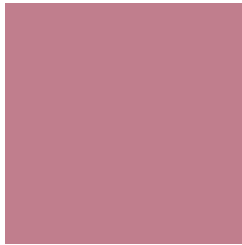


3, 14.365, 7.201



# Previews

## White Background



This preview shows how the CIELCh color 60, 27.767, 5.182 looks on a white background.

## Color Contrast Check

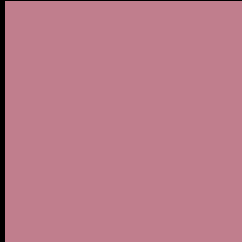
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 27.767, 5.182 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

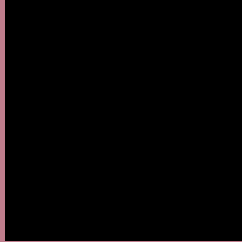
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 60, 27.767, 5.182**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 60, 27.767, 5.182.



This preview shows how white text looks on a background with the CIELCh color 60, 27.767, 5.182.

# 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

60, 27.767, 5.182

### Protanopia

60, 4.597, 300.227

### Deuteranopia

60, 8.440, 23.996



**Tritanopia**  
60, 27.003, 10.644



# Trichromacy



**Original Color**  
60, 27.767, 5.182

**Protanomaly**  
60, 11.320, 350.795

**Deuteranomaly**  
60, 15.152, 10.375

**Tritanomaly**  
60, 27.103, 8.304

# Monochromacy



**Original Color**  
60, 27.767, 5.182

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
61, 10.063, 0.896

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 27.767, 5.182 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, 126, 141)` looks like.

```
.text, #text, p{  
    color:rgb(192, 126, 141)  
}
```

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, 126, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 126, 141) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 27.767, 5.182 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, 126, 141) }
```

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

```
.border{ border-color:rgb(192, 126, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 126, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 126, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 126, 141);  
box-shadow:4px 4px 4px 4px rgb(192, 126,  
141) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 27.767, 5.182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 126, 141) }
```

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

```
.background{ background-color: rgb(192,  
126, 141) }
```

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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