

# Converting Colors

CIELCh(58, 66.901, 309.648)

Have a look what the booklet for  
CIELCh(58, 66.901, 309.648)  
contains.

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**Color**

**CIELCh(58, 66.651, 309.630)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A573E6
RGB	165, 115, 230
RGB Percent	65%, 45%, 90%
CMY	0.3531, 0.5491, 0.0982
CMYK	0.28, 0.50, 0.00, 0.10
HSL	266°, 70%, 68%
HSV	266°, 50%, 90%
XYZ	35.9147, 25.9610, 77.9548
YIQ	143.0600, -7.1150, 46.3650

# Conversions

## Conversions Part 2

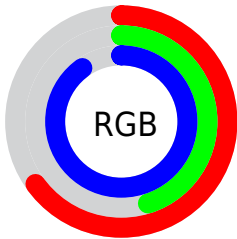
Format	Color
R <sub>Y</sub> B	165, 115, 230
Decimal	10843110
CIE Lab	58.00, 42.51, -51.33
CIE LCh	58, 66.651, 309.630
Yxy	25.9610, 0.2568, 0.1857
Android (android.graphics.Color)	4289033190 (0xFFA573E6)
YUV	143.0600, 42.8614, 19.2414
Hunter-Lab	50.9519, 36.6540, -55.0454

# Details

The CIELCh color  $58, 66.651, 309.630$  is a light color, and the websafe version is hex  $9966CC$ . A complement of this color would be  $86, 61.087, 124.357$ , and the grayscale version is  $59, 0.008, 296.813$ .

A 20% lighter version of the original color is  $77, 50.068, 314.682$ , and  $38, 66.697, 309.701$  is the 20% darker color. If you saturate the color by 10%, you get  $52, 80.175, 310.228$ , and if you desaturate by 10%, it is  $64, 52.870, 308.995$ .

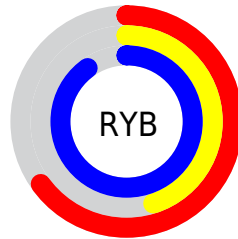
# Distribution



Red (65%)

Green (45%)

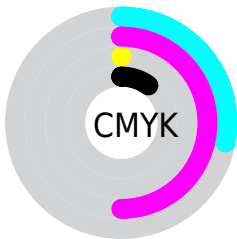
Blue (90%)



Red (65%)

Yellow (45%)

Blue (90%)

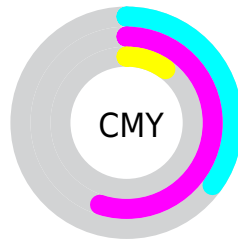


Cyan (28%)

Magenta (50%)

Yellow (0%)

Black (10%)



Cyan (35%)

Magenta (55%)


Yellow (10%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 66.651, 309.630 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 58, 66.651, 309.630 by changing the saturation by 10% instead.




 58, 66.651,  
309.630


 58, 66.651,  
309.630


 100, 66.651,  
309.630

 48, 66.651,  
309.630


 78, 66.651,  
309.630

 38, 66.651,  
309.630

 88, 66.651,  
309.630

 28, 66.651,  
309.630

 98, 66.651,  
309.630

 18, 66.651,  
309.630

 8, 66.651, 309.630

 0, 66.651, 309.630

58, 66.651,  
309.630

58, 66.651,  
309.630

52, 80.175,  
310.228

64, 52.870,  
308.995

46, 92.870,  
310.711

71, 39.174,  
308.369

41, 103.872,  
310.968

78, 25.748,  
307.779

38, 112.124,  
310.864

85, 12.683,  
307.235

35, 117.212,  
310.363

91, 0.017, 300.346

98, 12.242,  
126.336

99, 12.670,  
109.220

# Harmonies

# Complementary

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



58, 66.651, 309.630



86, 61.087, 124.357

# Rectangle

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



58, 66.651, 309.630



58, 66.651, 359.630



58, 66.651, 129.630



58, 66.651, 179.630

# Sweetspot

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



58, 66.650, 309.630



89, 20.839, 307.506



71, 32.184, 256.986



46, 14.263, 307.622



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



58, 66.650, 309.630



57, 87.171, 310.246



65, 70.637, 325.033



45, 7.182, 307.207



26, 96.787, 310.544



4, 35.227, 308.729





# Inverse Universe

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



64, 53.838, 345.189



65, 68.412, 346.681



83, 70.548, 138.977



45, 6.120, 340.999



39, 65.974, 355.860

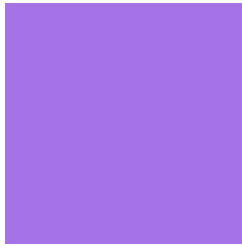


7, 28.366, 350.168



# Previews

## White Background



This preview shows how the CIELCh color 58, 66.651, 309.630 looks on a white background.

## Color Contrast Check

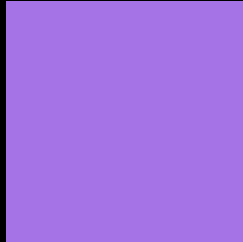
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 58, 66.651, 309.630 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

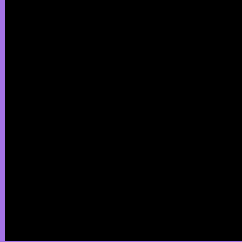
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 58, 66.651, 309.630**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 58, 66.651, 309.630.




This preview shows how white text looks on a background with the CIELCh color 58, 66.651, 309.630.

# 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**  
58, 8.327, 331.578



# Trichromacy



**Original Color**  
58, 66.651, 309.630



**Protanomaly**  
58, 65.206, 294.032



**Deuteranomaly**  
58, 54.538, 292.095



**Tritanomaly**  
58, 29.652, 312.077

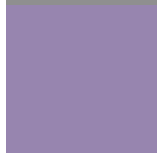
# Monochromacy



**Original Color**  
58, 66.651, 309.630



**Achromatopsia**  
59, 0.008, 296.813



**Achromatomaly**  
58, 24.845, 307.774

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 58, 66.651, 309.630 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(165, 115, 230)` looks like.

```
.text, #text, p{  
    color:rgb(165, 115, 230)  
}
```

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(165, 115, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 115, 230) }
```

## Border

The CSS property to change the border of an element to CIELCh 58, 66.651, 309.630 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(165, 115, 230) }
```

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

```
.border{ border-color:rgb(165, 115, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 115, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 115, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 115, 230); box-shadow:4px 4px 4px 4px rgb(165, 115, 230) }
```

# Background

The CSS property to change the background color of an element to CIELCh 58, 66.651, 309.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 115, 230) }
```

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

```
.background{ background-color: rgb(165,  
115, 230) }
```

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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