

# Converting Colors

CIELCh(66, 58.723, 302.431)

Have a look what the booklet for  
CIELCh(66, 58.723, 302.431)  
contains.

<b>CIELCh(66, 58.663, 302.413)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

**Color**

**CIELCh(66, 58.663, 302.413)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A891FA
RGB	168, 145, 250
RGB Percent	66%, 57%, 98%
CMY	0.3425, 0.4326, 0.0210
CMYK	0.33, 0.42, 0.00, 0.02
HSL	253°, 91%, 77%
HSV	253°, 42%, 98%
XYZ	43.3558, 35.3238, 94.6909
YIQ	163.8470, -19.9970, 37.5310

# Conversions

## Conversions Part 2

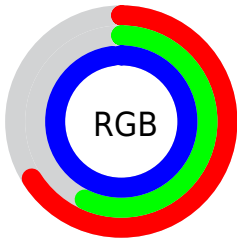
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 145, 250
Decimal	11047418
CIE <sub>Lab</sub>	66.00, 31.44, -49.52
CIE <sub>LCh</sub>	66, 58.663, 302.413
Yxy	35.3238, 0.2501, 0.2037
Android (android.graphics.Color)	4289237498 (0xFFA891FA)
YUV	163.8470, 42.4734, 3.6422
Hunter-Lab	59.4338, 26.2031, -52.8580

# Details

The CIELCh color **66, 58.663, 302.413** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **95, 53.098, 115.939**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 31.072, 309.511**, and **46, 58.837, 302.369** is the 20% darker color. If you saturate the color by 10%, you get **59, 73.767, 303.575**, and if you desaturate by 10%, it is **74, 43.910, 301.349**.

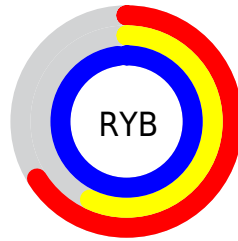
# Distribution



Red (66%)

Green (57%)

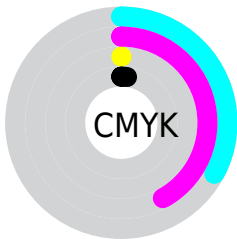
Blue (98%)



Red (66%)

Yellow (57%)

Blue (98%)

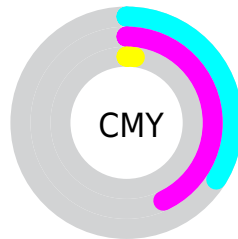


Cyan (33%)

Magenta (42%)

Yellow (0%)

Black (2%)



Cyan (34%)

Magenta (43%)


Yellow (2%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 58.663, 302.413 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, 58.663, 302.413 by changing the saturation by 10% instead.





 66, 58.663,  
302.413


 66, 58.663,  
302.413


 100, 58.663,  
302.413


 56, 58.663,  
302.413


 86, 58.663,  
302.413

 46, 58.663,  
302.413

 96, 58.663,  
302.413

 36, 58.663,  
302.413

 26, 58.663,  
302.413

 16, 58.663,  
302.413

 6, 58.663, 302.413

 0, 58.663, 302.413

66, 58.663,  
302.413

66, 58.663,  
302.413

59, 73.767,  
303.575

74, 43.910,  
301.349

51, 88.909,  
304.783

81, 29.641,  
300.402

45, 103.417,  
305.930

89, 15.891,  
299.573

39, 116.094,  
306.842

97, 2.655, 298.847

35, 125.287,  
307.293

100, 2.700,  
109.948

33, 129.633,  
307.295

# Harmonies

# Complementary

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



66, 58.663, 302.413



95, 53.098, 115.939

# Rectangle

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



66, 58.663, 302.413



66, 58.663, 352.413



66, 58.663, 122.413



66, 58.663, 172.413

# Sweetspot

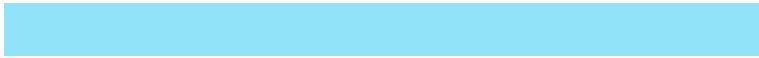
The Sweet Spot groups the original color and five complimentary colors.



66, 58.662, 302.413



90, 17.481, 299.648



86, 27.047, 224.372



46, 12.283, 299.824



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, 58.662, 302.413



61, 71.893, 303.338



71, 61.738, 318.059



48, 7.471, 299.379



24, 104.862, 307.415



4, 42.614, 305.350





# Inverse Universe

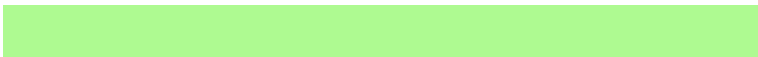
The Inverse Universe completely reimagines the original color for something new.



74, 56.260, 334.061



71, 67.074, 334.670



91, 59.979, 134.095



49, 7.650, 331.774



43, 77.807, 339.351

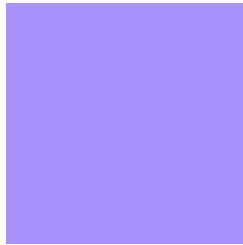


11, 35.928, 337.650



# Previews

## White Background



This preview shows how the CIELCh color 66, 58.663, 302.413 looks on a white background.

## Color Contrast Check

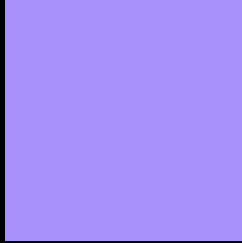
Large Text (above 18pt) WCAG AA × Fail

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, 58.663, 302.413 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

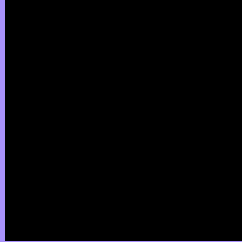
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 66, 58.663, 302.413

## Background



This preview shows how black text looks on a background with the CIELCh color 66, 58.663, 302.413.



This preview shows how white text looks on a background with the CIELCh color 66, 58.663, 302.413.

# 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, 7.844, 266.323



# Trichromacy



**Original Color**  
66, 58.663, 302.413

**Protanomaly**  
66, 55.338, 291.621

**Deuteranomaly**  
66, 51.587, 289.400

**Tritanomaly**  
66, 26.161, 295.078

# Monochromacy



**Original Color**  
66, 58.663, 302.413

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
67, 21.308, 299.856

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 58.663, 302.413 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(168, 145, 250)` looks like.

```
.text, #text, p{  
    color:rgb(168, 145, 250)  
}
```

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(168, 145, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 145, 250) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 58.663, 302.413 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(168, 145, 250) }
```

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

```
.border{ border-color:rgb(168, 145, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 145, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 145, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 145, 250);  
box-shadow:4px 4px 4px 4px rgb(168, 145,  
250) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 58.663, 302.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 145, 250) }
```

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

```
.background{ background-color: rgb(168,  
145, 250) }
```

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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