

# Converting Colors

CIELCh(91, 59.531, 157.310)

Have a look what the booklet for  
CIELCh(91, 59.531, 157.310)  
contains.

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**Color**

**CIELCh(91, 59.545, 157.338)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FFFB7
RGB	111, 255, 183
RGB Percent	44%, 100%, 72%
CMY	0.5638, 0.0000, 0.2815
CMYK	0.56, 0.00, 0.28, 0.00
HSL	150°, 100%, 72%
HSV	150°, 56%, 100%
XYZ	50.9845, 78.4833, 57.3738
YIQ	203.7360, -62.7120, -52.9200

# Conversions

## Conversions Part 2

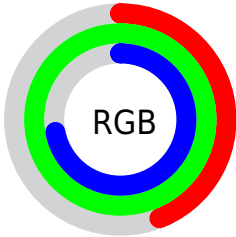
<b>Format</b>	<b>Color</b>
<b>RYB</b>	111, 207, 255
Decimal	7339959
CIELab	91.00, -54.95, 22.94
CIELCh	91, 59.545, 157.338
Yxy	78.4833, 0.2729, 0.4201
Android (android.graphics.Color)	4285530039 (0xFF6FFFB7)
YUV	203.7360, -10.2228, -81.3295
Hunter-Lab	88.5908, -52.3063, 23.6158

# Details

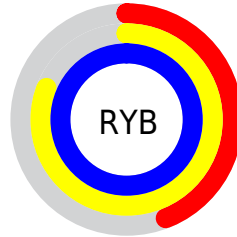
The CIELCh color **91, 59.545, 157.338** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **67, 62.815, 350.184**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.483, 180.746**, and **71, 59.338, 157.531** is the 20% darker color. If you saturate the color by 10%, you get **90, 68.084, 155.731**, and if you desaturate by 10%, it is **92, 49.921, 158.840**.

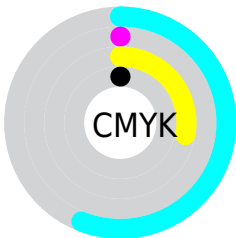
# Distribution



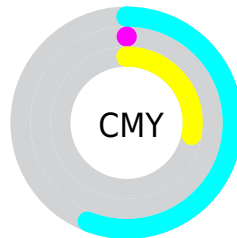
- Red (44%)
- Green (100%)
- Blue (72%)



- Red (44%)
- Yellow (81%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (28%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 59.545, 157.338 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 91, 59.545, 157.338 by changing the saturation by 10% instead.




 91, 59.545,  
157.338


 91, 59.545,  
157.338


 100, 59.545,  
157.338


 81, 59.545,  
157.338

 71, 59.545,  
157.338

 61, 59.545,  
157.338


 51, 59.545,  
157.338

 41, 59.545,  
157.338


 31, 59.545,  
157.338


 21, 59.545,


157.338


 11, 59.545,  
157.338


 1, 59.545, 157.338


 91, 59.545,  
157.338


 91, 59.545,  
157.338


 90, 68.084,  
155.731

 92, 49.921,  
158.840

 89, 75.756,  
153.863

 93, 39.743,  
160.123

 89, 82.387,  
151.779

 95, 29.086,  
161.259

 89, 88.020,  
149.508

 97, 18.137,  
162.277

■ 88, 89.899,  
148.683

■ 99, 7.059, 163.222  
100, 0.012,  
296.813

# Harmonies

# Complementary

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



91, 59.545, 157.338



67, 62.815, 350.184

# Rectangle

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



91, 59.545, 157.338



91, 59.545, 207.338



91, 59.545, 337.338



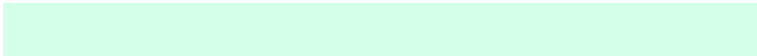
91, 59.545, 27.338

# Sweetspot

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



91, 59.427, 157.384



97, 18.825, 162.216



93, 75.361, 126.516



51, 12.584, 162.019



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



91, 59.427, 157.384



90, 69.399, 155.443



93, 40.140, 196.964



52, 6.298, 162.927



68, 71.766, 149.115



23, 30.952, 152.347



# Inverse Universe

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



67, 62.815, 350.184



62, 72.785, 352.472



65, 61.320, 26.726



50, 6.380, 344.442



41, 68.240, 2.172

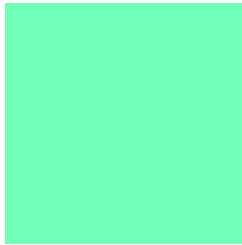


10, 31.863, 356.563



# Previews

## White Background



This preview shows how the CIE LCh color 91, 59.545, 157.338 looks on a white background.

## Color Contrast Check

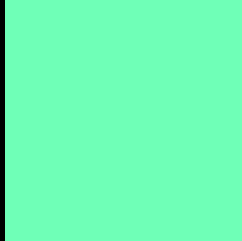
Large Text (above 18pt) WCAG AA × Fail

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 91, 59.545, 157.338 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 91, 59.545, 157.338

## Background



This preview shows how black text looks on a background with the CIELCh color 91, 59.545, 157.338.

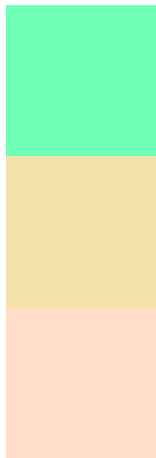


This preview shows how white text looks on a background with the CIELCh color 91, 59.545, 157.338.

# 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**  
91, 59.545, 157.338

**Protanopia**  
90, 30.012, 95.627

**Deuteranopia**  
90, 16.974, 59.586





**Tritanopia**  
91, 24.054, 217.074

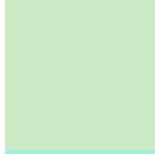
# Trichromacy



**Original Color**  
91, 59.545, 157.338



**Protanomaly**  
90, 35.607, 133.797



**Deuteranomaly**  
89, 23.076, 137.098

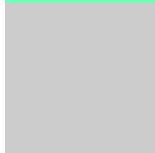


**Tritanomaly**  
90, 32.784, 182.520

# Monochromacy



**Original Color**  
91, 59.545, 157.338



**Achromatopsia**  
82, 0.010, 296.813



**Achromatomaly**  
85, 23.729, 161.030

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 91, 59.545, 157.338 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(111, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(111, 255, 183)  
}
```

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(111, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 255, 183) }
```

## Border

The CSS property to change the border of an element to CIELCh 91, 59.545, 157.338 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(111, 255, 183) }
```

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

```
.border{ border-color:rgb(111, 255, 183) }
```

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

Here you see how a box with a 4 pixel rgb(111, 255, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(111, 255,  
183) }
```

# Background

The CSS property to change the background color of an element to CIELCh 91, 59.545, 157.338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 255, 183) }
```

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

```
.background{ background-color: rgb(111,  
255, 183) }
```

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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