

Converting Colors

CIELCh(90, 59.456, 158.473)

Have a look what the booklet for
CIELCh(90, 59.456, 158.473)
contains.

CIELCh(90, 59.003, 158.662)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 59.003, 158.662)

Conversions

Conversions Part 1

Format	Color
Hex	69FCB7
RGB	105, 252, 183
RGB Percent	41%, 99%, 72%
CMY	0.5867, 0.0104, 0.2810
CMYK	0.58, 0.00, 0.27, 0.01
HSL	152°, 97%, 70%
HSV	152°, 58%, 99%
XYZ	49.3749, 76.3034, 57.1066
YIQ	200.1810, -65.4630, -52.6230

Conversions

Conversions Part 2

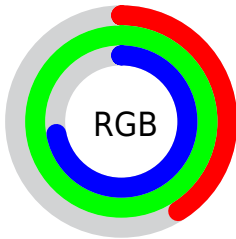
Format	Color
RYB	105, 201, 252
Decimal	6945975
CIELab	90.00, -54.96, 21.47
CIELCh	90, 59.003, 158.662
Yxy	76.3034, 0.2701, 0.4174
Android (android.graphics.Color)	4285136055 (0xFF69FCB7)
YUV	200.1810, -8.4702, -83.4737
Hunter-Lab	87.3518, -51.9699, 22.3852

Details

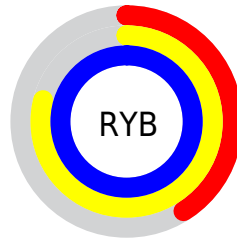
The CIELCh color **90, 59.003, 158.662** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **65, 63.174, 352.470**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 29.834, 181.432**, and **70, 58.714, 158.844** is the 20% darker color. If you saturate the color by 10%, you get **89, 67.113, 156.969**, and if you desaturate by 10%, it is **91, 50.024, 160.156**.

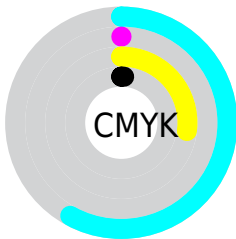
Distribution



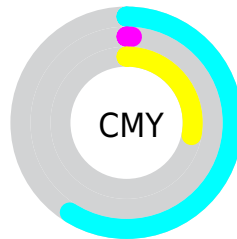
- Red (41%)
- Green (99%)
- Blue (72%)



- Red (41%)
- Yellow (79%)
- Blue (99%)



- Cyan (58%)
- Magenta (0%)
- Yellow (27%)
- Black (1%)





- Cyan (59%)
- Magenta (1%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 59.003, 158.662 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 90, 59.003, 158.662 by changing the saturation by 10% instead.


 90, 59.003,
158.662


 90, 59.003,
158.662

 100, 59.003,
158.662


 80, 59.003,
158.662

 70, 59.003,
158.662

 60, 59.003,
158.662


 50, 59.003,
158.662

 40, 59.003,
158.662


 30, 59.003,
158.662


 20, 59.003,


158.662


 10, 59.003,
158.662


 0, 59.003, 158.662


 90, 59.003,
158.662


 90, 59.003,
158.662


 89, 67.113,
156.969


 91, 50.024,
160.156

 89, 74.239,
155.061

 92, 40.338,
161.475

 88, 80.349,
152.937

 94, 30.129,
162.647

 88, 85.536,
150.638

 95, 19.581,
163.698

■ 88, 86.401,
150.240

■ 97, 8.858, 164.667

■ 99, 1.424, 330.660

■ 99, 1.648, 324.312

Harmonies

Complementary

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



90, 59.003, 158.662



65, 63.174, 352.470

Rectangle

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



90, 59.003, 158.662



90, 59.003, 208.662



90, 59.003, 338.662



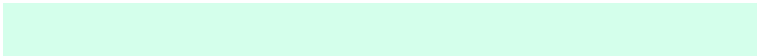
90, 59.003, 28.662

Sweetspot

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



90, 59.004, 158.661



97, 18.414, 163.821



92, 77.277, 127.047



51, 12.307, 163.620



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 59.004, 158.661



90, 69.013, 156.642



91, 39.899, 198.802



51, 6.064, 164.547



67, 68.828, 150.684



22, 29.154, 154.086

Inverse Universe

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



65, 63.174, 352.470



61, 73.389, 355.065



64, 62.346, 28.102



49, 6.153, 346.095



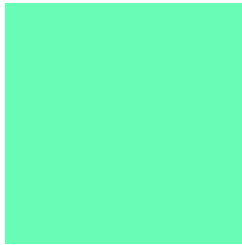
40, 67.353, 4.982



10, 30.812, 358.642

Previews

White Background



This preview shows how the CIE LCh color 90, 59.003, 158.662 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 90, 59.003, 158.662 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 90, 59.003, 158.662

Background



This preview shows how black text looks on a background with the CIELCh color 90, 59.003, 158.662.

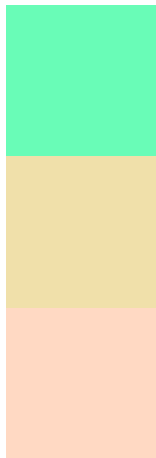


This preview shows how white text looks on a background with the CIELCh color 90, 59.003, 158.662.

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
90, 59.003, 158.662

Protanopia
89, 28.585, 95.116

Deuteranopia
89, 18.622, 57.677



Tritanopia
90, 26.886, 216.047

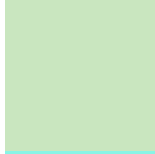
Trichromacy



Original Color
90, 59.003, 158.662



Protanomaly
88, 34.494, 135.429



Deuteranomaly
88, 22.955, 136.318

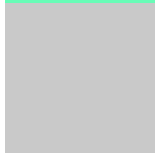


Tritanomaly
90, 34.789, 184.111

Monochromacy



Original Color
90, 59.003, 158.662



Achromatopsia
81, 0.010, 296.813



Achromatomaly
84, 23.380, 163.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 59.003, 158.662 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(105, 252, 183)` looks like.

```
.text, #text, p{  
    color:rgb(105, 252, 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(105, 252, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 252, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 59.003, 158.662 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(105, 252, 183) }
```

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

```
.border{ border-color:rgb(105, 252, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 252, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 252, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 252, 183);  
box-shadow:4px 4px 4px 4px rgb(105, 252,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 59.003, 158.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 252, 183) }
```

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

```
.background{ background-color: rgb(105,  
252, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor