

Converting Colors

CIELCh(90, 59.294, 159.525)

Have a look what the booklet for
CIELCh(90, 59.294, 159.525)
contains.

CIELCh(90, 59.465, 159.590)	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, 59.465, 159.590)

Conversions

Conversions Part 1

Format	Color
Hex	65FDB9
RGB	101, 253, 185
RGB Percent	40%, 99%, 73%
CMY	0.6052, 0.0090, 0.2756
CMYK	0.60, 0.00, 0.27, 0.01
HSL	153°, 97%, 69%
HSV	153°, 60%, 99%
XYZ	49.0904, 76.3034, 57.8875
YIQ	199.8000, -68.7640, -53.3720

Conversions

Conversions Part 2

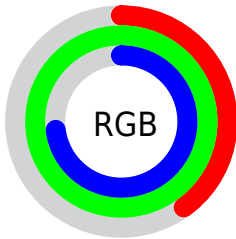
Format	Color
RYB	101, 199, 253
Decimal	6684089
CIELab	90.00, -55.73, 20.74
CIElCh	90, 59.465, 159.590
Yxy	76.3034, 0.2678, 0.4163
Android (android.graphics.Color)	4284874169 (0xFF65FDB9)
YUV	199.8000, -7.2964, -86.6476
Hunter-Lab	87.3518, -52.5513, 21.8552

Details

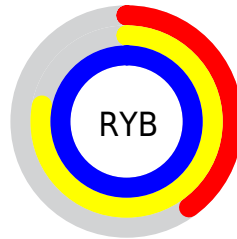
The CIELCh color **90, 59.465, 159.590** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **64, 64.392, 354.394**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 30.238, 183.645**, and **70, 59.193, 159.800** is the 20% darker color. If you saturate the color by 10%, you get **89, 67.168, 157.858**, and if you desaturate by 10%, it is **91, 50.865, 161.121**.

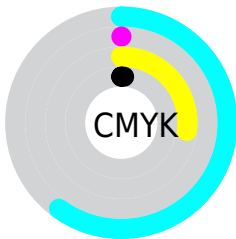
Distribution



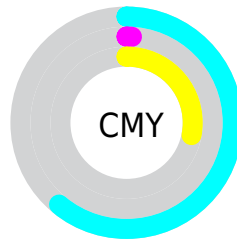
- Red (40%)
- Green (99%)
- Blue (73%)



- Red (40%)
- Yellow (78%)
- Blue (99%)



- Cyan (60%)
- Magenta (0%)
- Yellow (27%)
- Black (1%)





- Cyan (61%)
- Magenta (1%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 59.465, 159.590 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, 59.465, 159.590 by changing the saturation by 10% instead.


 90, 59.465,
159.590


 90, 59.465,
159.590


 100, 59.465,
159.590


 80, 59.465,
159.590

 70, 59.465,
159.590

 60, 59.465,
159.590


 50, 59.465,
159.590

 40, 59.465,
159.590


 30, 59.465,
159.590


 20, 59.465,

159.590


 10, 59.465,
159.590


 0, 59.465, 159.590


 90, 59.465,
159.590


 90, 59.465,
159.590


 89, 67.168,
157.858

 91, 50.865,
161.121


 89, 73.878,
155.910

 92, 41.516,
162.475

 88, 79.586,
153.747

 94, 31.597,
163.680

 88, 84.383,
151.478

 95, 21.291,
164.762

■ 97, 10.765,
165.753

■ 99, 0.163, 169.690

■ 99, 1.431, 324.276

Harmonies

Complementary

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



90, 59.465, 159.590



64, 64.392, 354.394

Rectangle

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



90, 59.465, 159.590



90, 59.465, 209.590



90, 59.465, 339.590



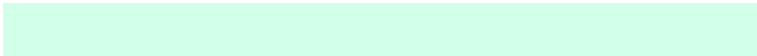
90, 59.465, 29.590

Sweetspot

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



90, 59.466, 159.589



96, 19.169, 164.981



91, 80.352, 128.129



51, 13.300, 164.683



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, 59.466, 159.589



90, 68.972, 157.510



89, 39.334, 202.834



52, 6.068, 165.816



68, 67.866, 151.901



23, 29.365, 155.134

Inverse Universe

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



64, 64.392, 354.394



60, 74.219, 357.265



64, 63.328, 30.443



50, 6.166, 347.393



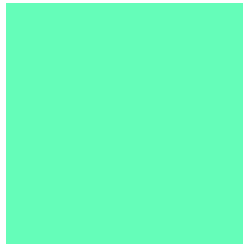
41, 68.002, 7.214



10, 31.473, 0.821

Previews

White Background



This preview shows how the CIE LCh color 90, 59.465, 159.590 looks on a white background.

Color Contrast Check

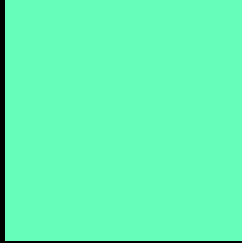
Large Text (above 18pt) WCAG AA × Fail

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, 59.465, 159.590 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, 59.465, 159.590

Background



This preview shows how black text looks on a background with the CIELCh color 90, 59.465, 159.590.

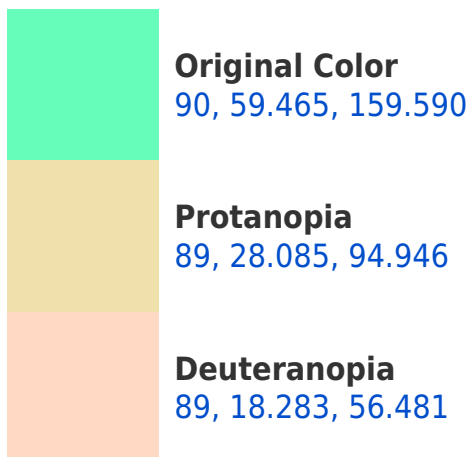


This preview shows how white text looks on a background with the CIELCh color 90, 59.465, 159.590.

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
90, 27.128, 215.867

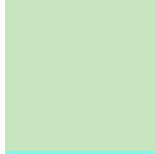
Trichromacy



Original Color
90, 59.465, 159.590



Protanomaly
88, 34.402, 136.845



Deuteranomaly
88, 22.863, 138.472

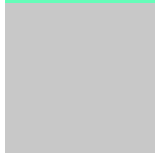


Tritanomaly
90, 35.262, 184.255

Monochromacy



Original Color
90, 59.465, 159.590



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 23.672, 163.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 59.465, 159.590 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(101, 253, 185)` looks like.

```
.text, #text, p{  
    color:rgb(101, 253, 185)  
}
```

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(101, 253, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 253, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 59.465, 159.590 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(101, 253, 185) }
```

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

```
.border{ border-color:rgb(101, 253, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 253, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 253, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 253, 185); box-shadow:4px 4px 4px 4px rgb(101, 253, 185) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 59.465, 159.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 253, 185) }
```

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

```
.background{ background-color: rgb(101,  
253, 185) }
```

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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