

Converting Colors

CIELCh(100, 78.297, 154.119)

Have a look what the booklet for
CIELCh(100, 78.297, 154.119)
contains.

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Color

CIELCh(90, 61.889, 159.968)

Conversions

Conversions Part 1

Format	Color
Hex	5AFE88
RGB	90, 254, 184
RGB Percent	35%, 100%, 72%
CMY	0.6455, 0.0053, 0.2794
CMYK	0.64, 0.00, 0.28, 0.01
HSL	154°, 98%, 67%
HSV	154°, 64%, 99%
XYZ	48.2099, 76.3034, 57.3935
YIQ	196.9840, -75.2740, -56.5380

Conversions

Conversions Part 2

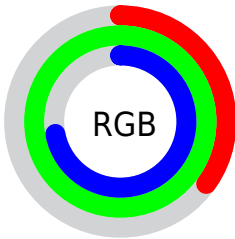
Format	Color
RYB	90, 194, 254
Decimal	5963448
CIELab	90.00, -58.14, 21.20
CIELCh	90, 61.889, 159.968
Yxy	76.3034, 0.2650, 0.4195
Android (android.graphics.Color)	4284153528 (0xFF5AFEB8)
YUV	196.9840, -6.4011, -93.8250
Hunter-Lab	87.3518, -54.3506, 22.1905

Details

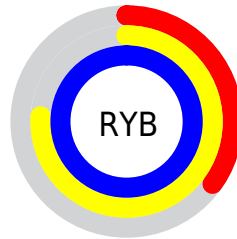
The CIELCh color **90, 61.889, 159.968** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **62, 67.747, 356.688**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 32.761, 183.627**, and **70, 60.379, 159.335** is the 20% darker color. If you saturate the color by 10%, you get **89, 69.005, 158.150**, and if you desaturate by 10%, it is **91, 53.824, 161.578**.

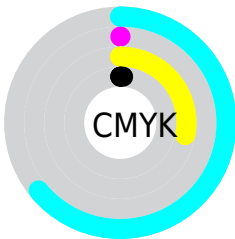
Distribution



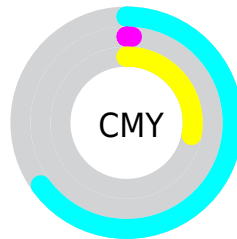
- Red (35%)
- Green (100%)
- Blue (72%)



- Red (35%)
- Yellow (76%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (28%)
- Black (1%)





- Cyan (65%)
- Magenta (1%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 61.889, 159.968 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, 61.889, 159.968 by changing the saturation by 10% instead.


 90, 61.889,
159.968


 90, 61.889,
159.968


 100, 61.889,
159.968


 80, 61.889,
159.968

 70, 61.889,
159.968

 60, 61.889,
159.968


 50, 61.889,
159.968

 40, 61.889,
159.968


 30, 61.889,
159.968


 20, 61.889,


159.968


 10, 61.889,
159.968


 0, 61.889, 159.968

 90, 61.889,
159.968


 90, 61.889,
159.968


 89, 69.005,
158.150

 91, 53.824,
161.578

 89, 75.113,
156.114

 92, 44.935,
163.004

 88, 80.255,
153.873

 93, 35.389,
164.272

 88, 82.842,
152.567

 95, 25.367,
165.408

■ 97, 15.042,
166.440

■ 99, 4.571, 167.443

100, 0.846,
324.106

Harmonies

Complementary

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



90, 61.889, 159.968



62, 67.747, 356.688

Rectangle

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



90, 61.889, 159.968



90, 61.889, 209.968



90, 61.889, 339.968



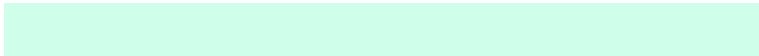
90, 61.889, 29.968

Sweetspot

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



90, 61.890, 159.967



96, 19.945, 165.971



91, 85.762, 128.583



51, 13.702, 165.674



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, 61.890, 159.967



90, 71.014, 157.630



89, 40.324, 205.137



52, 5.988, 166.916



68, 66.443, 152.996



23, 28.792, 156.219

Inverse Universe

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



62, 67.747, 356.688



58, 76.949, 0.245



63, 67.935, 32.347



50, 6.093, 348.515



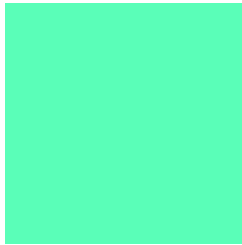
41, 68.070, 9.061



10, 31.382, 2.404

Previews

White Background



This preview shows how the CIE LCh color 90, 61.889, 159.968 looks on a white background.

Color Contrast Check

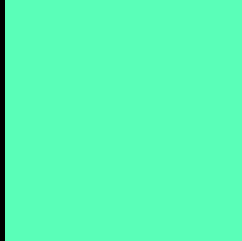
Large Text (above 18pt) WCAG AA × Fail

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, 61.889, 159.968 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, 61.889, 159.968

Background



This preview shows how black text looks on a background with the CIELCh color 90, 61.889, 159.968.

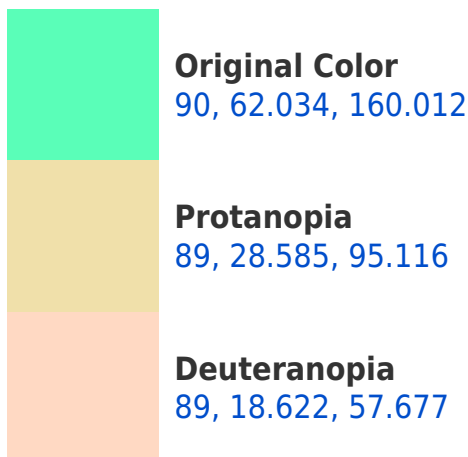


This preview shows how white text looks on a background with the CIELCh color 90, 61.889, 159.968.

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, 27.607, 215.517

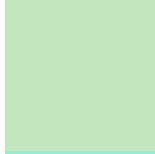
Trichromacy



Original Color
90, 62.034, 160.012



Protanomaly
88, 36.015, 137.964



Deuteranomaly
88, 24.083, 140.722



Tritanomaly
89, 36.416, 184.589

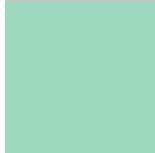
Monochromacy



Original Color
90, 62.034, 160.012



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 25.378, 164.791

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 61.889, 159.968 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(90, 254, 184)` looks like.

```
.text, #text, p{  
    color:rgb(90, 254, 184)  
}
```

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(90, 254, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 254, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 61.889, 159.968 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(90, 254, 184) }
```

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

```
.border{ border-color:rgb(90, 254, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 254, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 254, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 254, 184);  
box-shadow:4px 4px 4px 4px rgb(90, 254,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 61.889, 159.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 254, 184) }
```

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

```
.background{ background-color: rgb(90, 254,  
184) }
```

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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