

Converting Colors

CIELCh(90, 94.842, 136.543)

Have a look what the booklet for
CIELCh(90, 94.842, 136.543)
contains.

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Color

CIELCh(90, 94.407, 136.552)

Conversions

Conversions Part 1

Format	Color
Hex	6FFF5B
RGB	111, 255, 91
RGB Percent	44%, 100%, 36%
CMY	0.5643, 0.0000, 0.6433
CMYK	0.56, 0.00, 0.64, 0.00
HSL	113°, 100%, 68%
HSV	113°, 64%, 100%
XYZ	44.5372, 76.3034, 22.2688
YIQ	193.2480, -33.1800, -81.5320

Conversions

Conversions Part 2

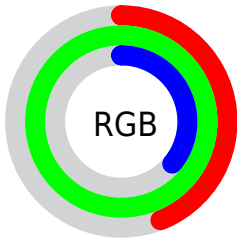
Format	Color
RYB	91, 255, 235
Decimal	7339867
CIELab	90.00, -68.54, 64.92
CIElCh	90, 94.407, 136.552
Yxy	76.3034, 0.3112, 0.5332
Android (android.graphics.Color)	4285529947 (0xFF6FFF5B)
YUV	193.2480, -50.4083, -72.1315
Hunter-Lab	87.3518, -61.8557, 46.0313

Details

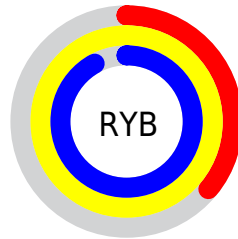
The CIELCh color **90, 94.407, 136.552** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **64, 94.254, 323.728**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 62.074, 135.024**, and **70, 93.867, 136.580** is the 20% darker color. If you saturate the color by 10%, you get **89, 104.543, 135.875**, and if you desaturate by 10%, it is **91, 81.342, 137.356**.

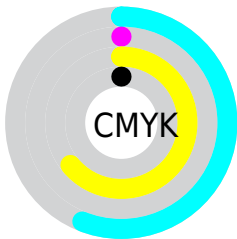
Distribution



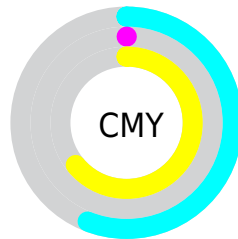
- Red (44%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (92%)



- Cyan (56%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 94.407, 136.552 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, 94.407, 136.552 by changing the saturation by 10% instead.


 90, 94.407,
136.552


 90, 94.407,
136.552


 100, 94.407,
136.552


 80, 94.407,
136.552

 70, 94.407,
136.552

 60, 94.407,
136.552

 50, 94.407,
136.552

 40, 94.407,
136.552

 30, 94.407,
136.552

 20, 94.407,

136.552

■ 10, 94.407,
136.552

■ 0, 94.407, 136.552

■ 90, 94.407,
136.552

■ 90, 94.407,
136.552

■ 89, 104.543,
135.875

■ 91, 81.342,
137.356

■ 88, 112.519,
135.466

■ 92, 67.405,
138.185

■ 88, 117.391,
135.432

■ 93, 52.622,
138.974

■ 88, 118.964,
135.518

■ 95, 37.377,
139.690

■ 97, 21.961,
140.324

■ 99, 6.589, 140.897

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.



90, 94.407, 136.552



64, 94.254, 323.728

Rectangle

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



90, 94.407, 136.552



90, 94.407, 186.552



90, 94.407, 316.552



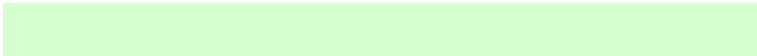
90, 94.407, 6.552

Sweetspot

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



90, 93.928, 136.550



96, 29.169, 140.038



92, 69.830, 96.937



51, 20.086, 139.854



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, 93.928, 136.550



89, 106.958, 135.734



90, 74.678, 149.951



52, 8.692, 140.603



68, 95.680, 135.412



23, 42.845, 135.080

Inverse Universe

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



64, 94.254, 323.728



59, 106.484, 323.861



64, 74.965, 343.336



50, 8.725, 321.502



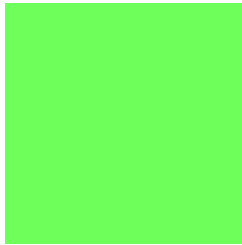
41, 93.930, 323.488



11, 43.146, 324.042

Previews

White Background



This preview shows how the CIE LCh color 90, 94.407, 136.552 looks on a white background.

Color Contrast Check

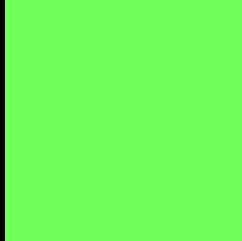
Large Text (above 18pt) WCAG AA × Fail

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, 94.407, 136.552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

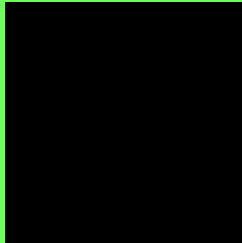
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

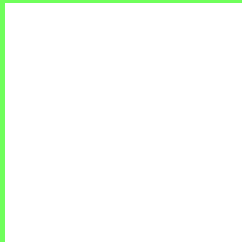
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 94.407, 136.552

Background



This preview shows how black text looks on a background with the CIELCh color 90, 94.407, 136.552.

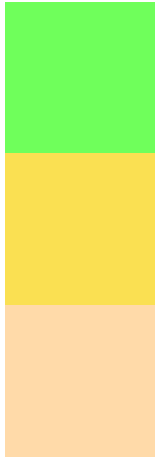


This preview shows how white text looks on a background with the CIELCh color 90, 94.407, 136.552.

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, 93.932, 136.568

Protanopia
89, 70.125, 95.261

Deuteranopia
89, 29.538, 78.113

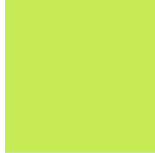


Tritanopia
89, 26.118, 219.150

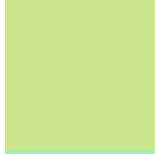
Trichromacy



Original Color
90, 93.932, 136.568



Protanomaly
88, 73.815, 115.845



Deuteranomaly
88, 47.082, 119.995



Tritanomaly
89, 43.517, 160.845

Monochromacy



Original Color
90, 93.932, 136.568



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 37.367, 139.632

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 94.407, 136.552 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(111, 255, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 255, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 94.407, 136.552 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, 91) }
```

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

```
.border{ border-color:rgb(111, 255, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 255, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 255, 91);  
box-shadow:4px 4px 4px 4px rgb(111, 255,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 94.407, 136.552 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, 91) }
```

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

```
.background{ background-color: rgb(111,  
255, 91) }
```

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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