

Converting Colors

CIELCh(90, 90.352, 138.293)

Have a look what the booklet for
CIELCh(90, 90.352, 138.293)
contains.

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Color

CIELCh(90, 89.948, 138.403)

Conversions

Conversions Part 1

Format	Color
Hex	6FFF68
RGB	111, 255, 104
RGB Percent	44%, 100%, 41%
CMY	0.5657, 0.0000, 0.5936
CMYK	0.57, 0.00, 0.59, 0.00
HSL	117°, 100%, 70%
HSV	117°, 59%, 100%
XYZ	44.9767, 76.3034, 25.3539
YIQ	194.7300, -37.3530, -77.4890

Conversions

Conversions Part 2

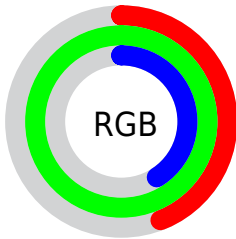
Format	Color
RYB	104, 255, 248
Decimal	7339880
CIELab	90.00, -67.27, 59.72
CIELCh	90, 89.948, 138.403
Yxy	76.3034, 0.3067, 0.5204
Android (android.graphics.Color)	4285529960 (0xFF6FFF68)
YUV	194.7300, -44.7299, -73.4312
Hunter-Lab	87.3518, -60.9576, 43.9373

Details

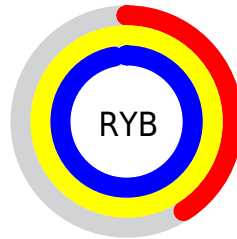
The CIELCh color **90, 89.948, 138.403** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **67, 89.140, 325.982**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 57.185, 138.136**, and **70, 89.340, 138.445** is the 20% darker color. If you saturate the color by 10%, you get **89, 101.231, 137.430**, and if you desaturate by 10%, it is **91, 76.199, 139.425**.

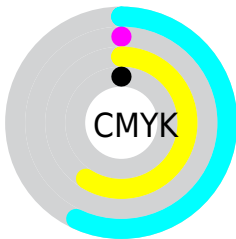
Distribution



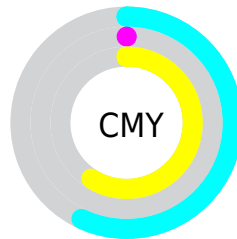
- Red (44%)
- Green (100%)
- Blue (41%)



- Red (41%)
- Yellow (100%)
- Blue (97%)



- Cyan (57%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 89.948, 138.403 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, 89.948, 138.403 by changing the saturation by 10% instead.


 90, 89.948,
138.403


 90, 89.948,
138.403

 100, 89.948,
138.403


 80, 89.948,
138.403


 70, 89.948,
138.403

 60, 89.948,
138.403


 50, 89.948,
138.403

 40, 89.948,
138.403


 30, 89.948,
138.403


 20, 89.948,


138.403


 10, 89.948,
138.403


 0, 89.948, 138.403


 90, 89.948,
138.403


 90, 89.948,
138.403


 89, 101.231,
137.430


 91, 76.199,
139.425


 88, 110.371,
136.608

 92, 61.565,
140.386

 88, 116.450,
136.088

 94, 46.195,
141.255

 88, 119.428,
135.900

 96, 30.465,
142.017

■ 88, 119.562,
135.885

■ 98, 14.663,
142.679

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, 89.948, 138.403



67, 89.140, 325.982

Rectangle

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



90, 89.948, 138.403



90, 89.948, 188.403



90, 89.948, 318.403



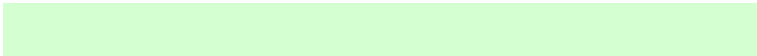
90, 89.948, 8.403

Sweetspot

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



90, 89.618, 138.412



96, 28.312, 142.112



96, 69.702, 102.160



51, 19.687, 141.906



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, 89.618, 138.412



89, 102.915, 137.280



91, 64.957, 154.423



52, 8.906, 142.670



68, 96.227, 135.830



23, 43.440, 136.128

Inverse Universe

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



67, 89.140, 325.982



63, 101.560, 326.287



65, 67.278, 347.508



50, 8.926, 323.657



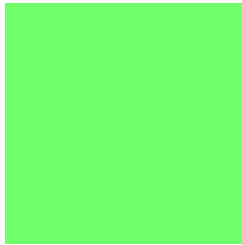
44, 93.310, 326.384



12, 42.911, 326.605

Previews

White Background



This preview shows how the CIE LCh color 90, 89.948, 138.403 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, 89.948, 138.403 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

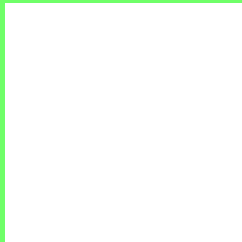
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 89.948, 138.403

Background



This preview shows how black text looks on a background with the CIELCh color 90, 89.948, 138.403.

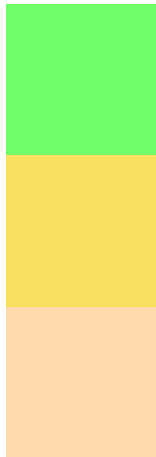


This preview shows how white text looks on a background with the CIELCh color 90, 89.948, 138.403.

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, 89.447, 138.438

Protanopia

89, 65.206, 95.414

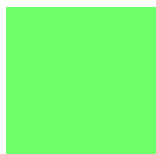
Deuteranopia

89, 28.175, 76.776

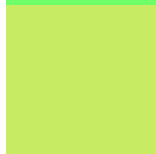


Tritanopia
90, 26.252, 217.777

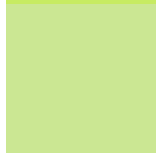
Trichromacy



Original Color
90, 89.447, 138.438



Protanomaly
88, 68.686, 117.037



Deuteranomaly
88, 44.233, 121.033



Tritanomaly
89, 41.805, 163.545

Monochromacy



Original Color
90, 89.447, 138.438



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 35.127, 141.855

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 89.948, 138.403 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(111, 255, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 255, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 89.948, 138.403 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, 104) }
```

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

```
.border{ border-color:rgb(111, 255, 104) }
```

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, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 255, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 255, 104);  
box-shadow:4px 4px 4px 4px rgb(111, 255,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 89.948, 138.403 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, 104) }
```

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

```
.background{ background-color: rgb(111,  
255, 104) }
```

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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