

Converting Colors

CIELCh(90, 90.278, 139.660)

Have a look what the booklet for
CIELCh(90, 90.278, 139.660)
contains.

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Color

CIELCh(90, 89.886, 139.665)

Conversions

Conversions Part 1

Format	Color
Hex	68FF6B
RGB	104, 255, 107
RGB Percent	41%, 100%, 42%
CMY	0.5909, 0.0000, 0.5800
CMYK	0.59, 0.00, 0.58, 0.00
HSL	121°, 100%, 70%
HSV	121°, 59%, 100%
XYZ	44.5446, 76.3034, 26.3153
YIQ	192.9790, -42.4880, -78.0400

Conversions

Conversions Part 2

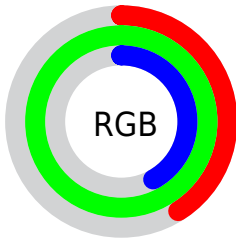
Format	Color
RYB	104, 252, 255
Decimal	6881131
CIELab	90.00, -68.52, 58.18
CIELCh	90, 89.886, 139.665
Yxy	76.3034, 0.3027, 0.5185
Android (android.graphics.Color)	4285071211 (0xFF68FF6B)
YUV	192.9790, -42.3876, -78.0346
Hunter-Lab	87.3518, -61.8404, 43.2847

Details

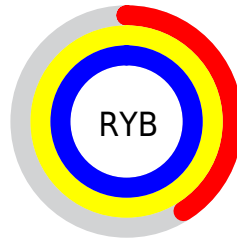
The CIELCh color **90, 89.886, 139.665** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **68, 88.263, 327.993**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 57.057, 140.490**, and **70, 89.301, 139.780** is the 20% darker color. If you saturate the color by 10%, you get **89, 100.895, 138.510**, and if you desaturate by 10%, it is **91, 75.913, 140.857**.

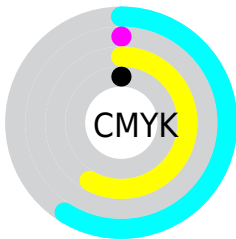
Distribution



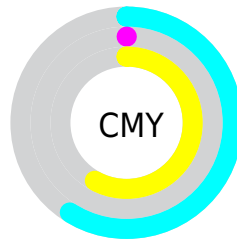
- Red (41%)
- Green (100%)
- Blue (42%)



- Red (41%)
- Yellow (99%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 89.886, 139.665 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, 89.886, 139.665 by changing the saturation by 10% instead.

 90, 89.886,
139.665


 90, 89.886,
139.665

 100, 89.886,
139.665

 80, 89.886,
139.665

 70, 89.886,
139.665

 60, 89.886,
139.665

 50, 89.886,
139.665

 40, 89.886,
139.665


 30, 89.886,
139.665


 20, 89.886,


139.665


 10, 89.886,
139.665


 0, 89.886, 139.665


 90, 89.886,
139.665


 90, 89.886,
139.665


 89, 100.895,
138.510


 91, 75.913,
140.857


 88, 110.059,
137.428

 92, 61.281,
141.929

 88, 116.244,
136.596

 94, 45.887,
142.879

 88, 119.305,
136.139

 96, 30.116,
143.702

■ 88, 119.488,
136.115

■ 98, 14.268,
144.412

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, 89.886, 139.665



68, 88.263, 327.993

Rectangle

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



90, 89.886, 139.665



90, 89.886, 189.665



90, 89.886, 319.665



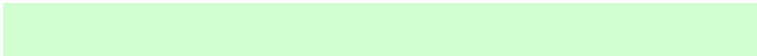
90, 89.886, 9.665

Sweetspot

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



90, 89.306, 139.693



96, 28.396, 143.784



97, 72.323, 105.466



51, 19.744, 143.561



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, 89.306, 139.693



89, 102.856, 138.291



91, 60.976, 157.791



52, 8.931, 144.384



68, 96.140, 136.159



22, 43.421, 137.119

Inverse Universe

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



68, 88.263, 327.993



64, 100.595, 328.418



65, 64.871, 351.725



50, 8.945, 325.441



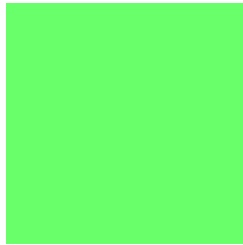
45, 91.754, 328.975



12, 42.284, 328.884

Previews

White Background



This preview shows how the CIE LCh color 90, 89.886, 139.665 looks on a white background.

Color Contrast Check

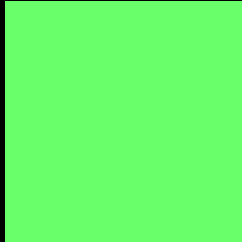
Large Text (above 18pt) WCAG AA × Fail

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, 89.886, 139.665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

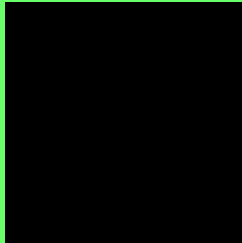
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 89.886, 139.665

Background



This preview shows how black text looks on a background with the CIELCh color 90, 89.886, 139.665.

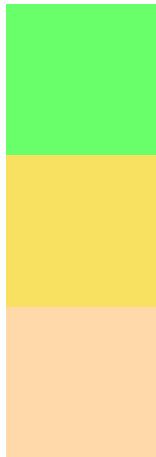


This preview shows how white text looks on a background with the CIELCh color 90, 89.886, 139.665.

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, 89.388, 139.715

Protanopia
89, 63.862, 95.726

Deuteranopia
89, 28.874, 76.545

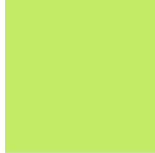


Tritanopia
89, 26.975, 217.185

Trichromacy



Original Color
90, 89.388, 139.715



Protanomaly
88, 67.743, 118.308

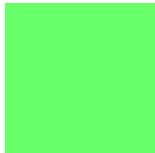


Deuteranomaly
88, 44.558, 122.448

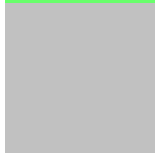


Tritanomaly
89, 42.603, 164.978

Monochromacy



Original Color
90, 89.388, 139.715



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 35.140, 143.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 89.886, 139.665 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(104, 255, 107)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 107)  
}
```

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(104, 255, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 89.886, 139.665 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(104, 255, 107) }
```

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

```
.border{ border-color:rgb(104, 255, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 255, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 107);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 89.886, 139.665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 107) }
```

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

```
.background{ background-color: rgb(104,  
255, 107) }
```

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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