

Converting Colors

CIELCh(89, 90.118, 139.346)

Have a look what the booklet for
CIELCh(89, 90.118, 139.346)
contains.

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Color

CIELCh(89, 90.118, 139.346)

Conversions

Conversions Part 1

Format	Color
Hex	66FD67
RGB	102, 253, 103
RGB Percent	40%, 99%, 40%
CMY	0.5993, 0.0072, 0.5955
CMYK	0.60, 0.00, 0.59, 0.01
HSL	120°, 98%, 70%
HSV	120°, 60%, 99%
XYZ	43.1280, 74.1641, 24.9115
YIQ	190.7510, -41.8460, -78.6620

Conversions

Conversions Part 2

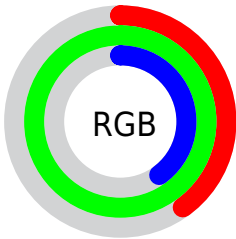
Format	Color
RYB	102, 252, 253
Decimal	6749543
CIELab	89.00, -68.37, 58.71
CIELCh	89, 90.118, 139.346
Yxy	74.1641, 0.3033, 0.5215
Android (android.graphics.Color)	4284939623 (0xFF66FD67)
YUV	190.7510, -43.2612, -77.8346
Hunter-Lab	86.1186, -61.3151, 43.1322

Details

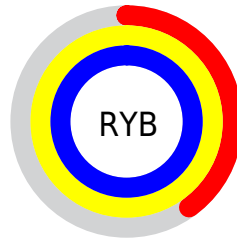
The CIELCh color **89, 90.118, 139.346** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **68, 89.101, 327.648**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 58.914, 139.675**, and **69, 90.060, 139.359** is the 20% darker color. If you saturate the color by 10%, you get **88, 101.523, 138.196**, and if you desaturate by 10%, it is **90, 76.829, 140.496**.

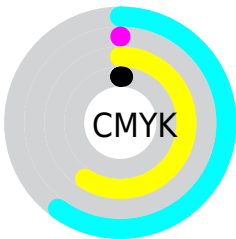
Distribution



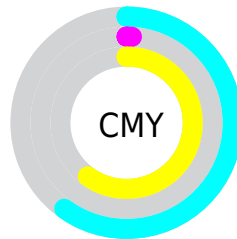
- Red (40%)
- Green (99%)
- Blue (40%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (59%)
- Black (1%)




- Cyan (60%)
- Magenta (1%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 90.118, 139.346 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 89, 90.118, 139.346 by changing the saturation by 10% instead.


 89, 90.118,
139.346


 89, 90.118,
139.346


 100, 90.118,
139.346


 79, 90.118,
139.346

 69, 90.118,
139.346

 59, 90.118,
139.346

 49, 90.118,
139.346

 39, 90.118,
139.346


 29, 90.118,
139.346


 19, 90.118,


139.346


 9, 90.118, 139.346


 0, 90.118, 139.346

 89, 90.118,
139.346


 89, 90.118,
139.346


 88, 101.523,
138.196


 90, 76.829,
140.496


 88, 110.400,
137.175


 91, 62.242,
141.566

 87, 116.200,
136.435

 93, 46.855,
142.518

 87, 118.946,
136.061

 95, 31.064,
143.345

 87, 119.019,

 97, 15.179,

136.051

144.058

99, 0.573, 324.091

100, 1.153,
324.214

Harmonies

Complementary

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



89, 90.118, 139.346



68, 89.101, 327.648

Rectangle

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



89, 90.118, 139.346



89, 90.118, 189.346



89, 90.118, 319.346



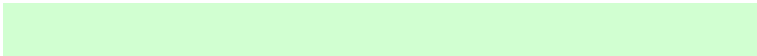
89, 90.118, 9.346

Sweetspot

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



89, 90.119, 139.347



96, 28.626, 143.468



97, 72.467, 104.609



51, 19.905, 143.246



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 90.119, 139.347



89, 104.469, 137.935



90, 62.026, 156.839



52, 9.004, 144.066



68, 96.357, 136.066



22, 43.683, 136.896

Inverse Universe

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



68, 89.101, 327.648



64, 102.280, 328.056



65, 65.492, 350.726



50, 9.017, 325.119



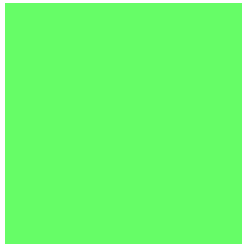
45, 92.614, 328.490



12, 42.633, 328.459

Previews

White Background



This preview shows how the CIE LCh color 89, 90.118, 139.346 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 89, 90.118, 139.346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

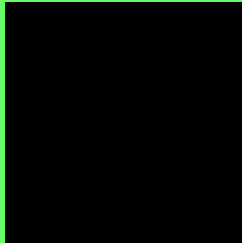
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 90.118, 139.346

Background



This preview shows how black text looks on a background with the CIELCh color 89, 90.118, 139.346.

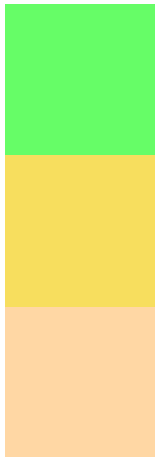


This preview shows how white text looks on a background with the CIELCh color 89, 90.118, 139.346.

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


89, 90.118, 139.346

Protanopia

88, 64.403, 95.317

Deuteranopia

88, 31.186, 76.951



Tritanopia
89, 28.702, 217.022

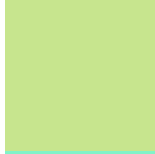
Trichromacy



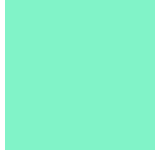
Original Color
89, 90.118, 139.346



Protanomaly
87, 68.604, 118.078



Deuteranomaly
87, 45.932, 121.407

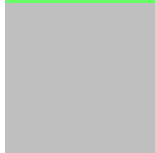


Tritanomaly
88, 43.724, 165.747

Monochromacy



Original Color
89, 90.118, 139.346



Achromatopsia
77, 0.009, 296.813



Achromatomaly
81, 35.636, 142.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 90.118, 139.346 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(102, 253, 103)` looks like.

```
.text, #text, p{  
    color:rgb(102, 253, 103)  
}
```

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(102, 253, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 253, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 90.118, 139.346 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(102, 253, 103) }
```

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

```
.border{ border-color:rgb(102, 253, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 253, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 253, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 253, 103);  
box-shadow:4px 4px 4px 4px rgb(102, 253,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 90.118, 139.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 253, 103) }
```

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

```
.background{ background-color: rgb(102,  
253, 103) }
```

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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