

Converting Colors

CIELCh(90, 90.692, 139.230)

Have a look what the booklet for
CIELCh(90, 90.692, 139.230)
contains.

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Color

CIELCh(90, 89.959, 139.287)

Conversions

Conversions Part 1

Format	Color
Hex	6AFF6A
RGB	106, 255, 106
RGB Percent	42%, 100%, 42%
CMY	0.5836, 0.0000, 0.5844
CMYK	0.58, 0.00, 0.58, 0.00
HSL	120°, 100%, 71%
HSV	120°, 58%, 100%
XYZ	44.6583, 76.3034, 26.0008
YIQ	193.4630, -40.9750, -77.9270

Conversions

Conversions Part 2

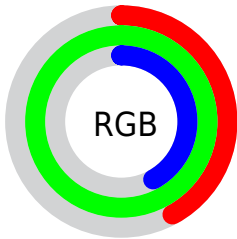
Format	Color
RYB	106, 255, 255
Decimal	7012202
CIELab	90.00, -68.19, 58.68
CIELCh	90, 89.959, 139.287
Yxy	76.3034, 0.3039, 0.5192
Android (android.graphics.Color)	4285202282 (0xFF6AFF6A)
YUV	193.4630, -43.1193, -76.7051
Hunter-Lab	87.3518, -61.6082, 43.4982

Details

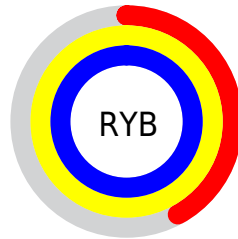
The CIELCh color **90, 89.959, 139.287** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **69, 88.555, 327.367**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 57.094, 139.710**, and **70, 89.572, 139.294** is the 20% darker color. If you saturate the color by 10%, you get **89, 101.177, 138.172**, and if you desaturate by 10%, it is **91, 75.863, 140.440**.

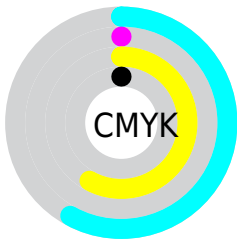
Distribution



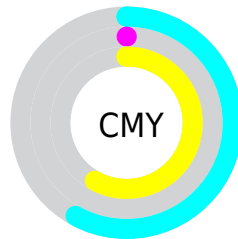
- Red (42%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (100%)



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 89.959, 139.287 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, 89.959, 139.287 by changing the saturation by 10% instead.


 90, 89.959,
139.287


 90, 89.959,
139.287

 100, 89.959,
139.287

 80, 89.959,
139.287


 70, 89.959,
139.287

 60, 89.959,
139.287


 50, 89.959,
139.287

 40, 89.959,
139.287

 30, 89.959,
139.287

 20, 89.959,


139.287


 10, 89.959,
139.287


 0, 89.959, 139.287


 90, 89.959,
139.287


 90, 89.959,
139.287


 89, 101.177,
138.172


 91, 75.863,
140.440


 88, 110.395,
137.160

 92, 61.023,
141.490

 88, 116.518,
136.425

 94, 45.420,
142.423

 88, 119.455,
136.054

 96, 29.449,
143.233

■ 88, 119.772,
136.012

■ 98, 13.413,
143.932

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, 89.959, 139.287



69, 88.555, 327.367

Rectangle

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



90, 89.959, 139.287



90, 89.959, 189.287



90, 89.959, 319.287



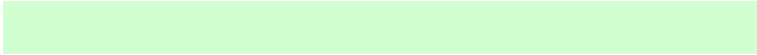
90, 89.959, 9.287

Sweetspot

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



90, 89.446, 139.308



96, 28.739, 143.266



97, 70.681, 103.907



51, 19.983, 143.044



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, 89.446, 139.308



89, 102.794, 138.003



91, 62.241, 156.185



52, 9.039, 143.862



68, 96.468, 136.011



22, 43.814, 136.758

Inverse Universe

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



69, 88.555, 327.367



65, 100.933, 327.749



66, 65.302, 349.439



50, 9.053, 324.911



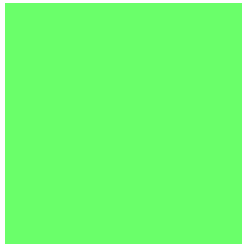
45, 93.087, 328.179



12, 42.824, 328.186

Previews

White Background



This preview shows how the CIE LCh color 90, 89.959, 139.287 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, 89.959, 139.287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

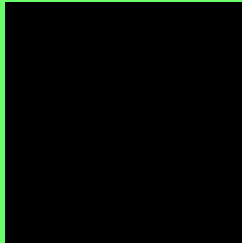
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

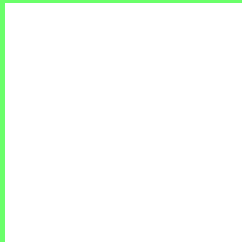
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 89.959, 139.287

Background



This preview shows how black text looks on a background with the CIELCh color 90, 89.959, 139.287.

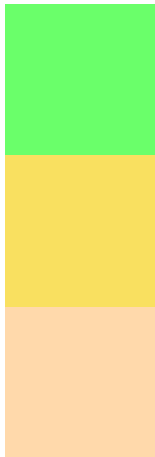


This preview shows how white text looks on a background with the CIELCh color 90, 89.959, 139.287.

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, 89.460, 139.332

Protanopia

89, 64.365, 95.372

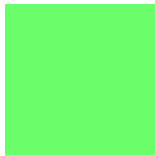
Deuteranopia

89, 28.424, 76.078

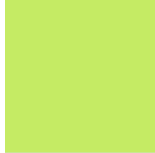


Tritanopia
90, 26.735, 217.378

Trichromacy



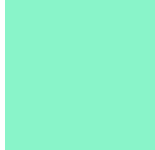
Original Color
90, 89.460, 139.332



Protanomaly
88, 68.056, 117.882

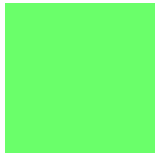


Deuteranomaly
88, 44.447, 121.980

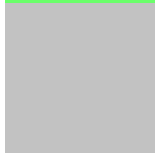


Tritanomaly
89, 42.154, 164.640

Monochromacy



Original Color
90, 89.460, 139.332



Achromatopsia
78, 0.009, 296.813



Achromatomaly
82, 34.929, 142.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 89.959, 139.287 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(106, 255, 106)` looks like.

```
.text, #text, p{  
    color:rgb(106, 255, 106)  
}
```

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(106, 255, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 89.959, 139.287 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(106, 255, 106) }
```

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

```
.border{ border-color:rgb(106, 255, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 255, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(106, 255,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 89.959, 139.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 255, 106) }
```

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

```
.background{ background-color: rgb(106,  
255, 106) }
```

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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