

Converting Colors

CIELCh(90, 89.379, 134.975)

Have a look what the booklet for
CIELCh(90, 89.379, 134.975)
contains.

CIELCh(90, 89.188, 135.005)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 89.188, 135.005)

Conversions

Conversions Part 1

Format	Color
Hex	80FE60
RGB	128, 254, 96
RGB Percent	50%, 100%, 38%
CMY	0.4981, 0.0040, 0.6236
CMYK	0.50, 0.00, 0.62, 0.00
HSL	108°, 99%, 69%
HSV	108°, 62%, 100%
XYZ	46.4451, 76.3034, 23.3420
YIQ	198.3140, -24.3780, -75.8500

Conversions

Conversions Part 2

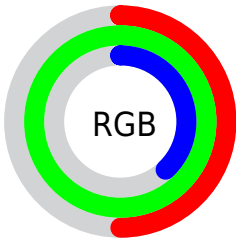
Format	Color
RYB	96, 254, 222
Decimal	8453728
CIELab	90.00, -63.07, 63.06
CIELCh	90, 89.188, 135.005
Yxy	76.3034, 0.3179, 0.5223
Android (android.graphics.Color)	4286643808 (0xFF80FE60)
YUV	198.3140, -50.4408, -61.6654
Hunter-Lab	87.3518, -57.9568, 45.3029

Details

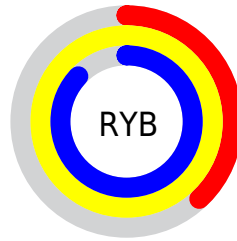
The CIELCh color **90, 89.188, 135.005** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **63, 90.960, 321.186**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 57.375, 131.886**, and **70, 89.073, 135.082** is the 20% darker color. If you saturate the color by 10%, you get **89, 100.255, 134.508**, and if you desaturate by 10%, it is **91, 76.438, 135.647**.

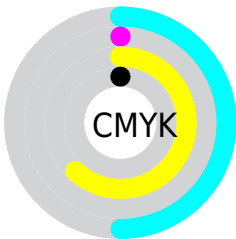
Distribution



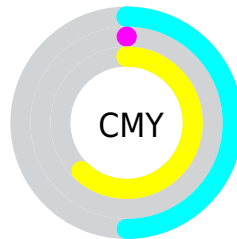
- Red (50%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (87%)



- Cyan (50%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)



- Cyan (50%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 89.188, 135.005 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, 89.188, 135.005 by changing the saturation by 10% instead.

■ 90, 89.188,
135.005

■ 90, 89.188,
135.005

■ 100, 89.188,
135.005

■ 80, 89.188,
135.005

■ 70, 89.188,
135.005

■ 60, 89.188,
135.005


■ 50, 89.188,
135.005

■ 40, 89.188,
135.005


■ 30, 89.188,
135.005


■ 20, 89.188,


135.005


 10, 89.188,
135.005


 0, 89.188, 135.005


 90, 89.188,
135.005


 90, 89.188,
135.005

 89, 100.255,
134.508

 91, 76.438,
135.647


 89, 108.980,
134.286

 92, 62.575,
136.331

 88, 114.818,
134.454

 94, 48.039,
136.998

 88, 117.478,
134.804

 95, 33.159,
137.615

■ 97, 18.175,
138.171

■ 99, 3.260, 138.716

100, 0.639,
323.980

Harmonies

Complementary

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



90, 89.188, 135.005



63, 90.960, 321.186

Rectangle

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



90, 89.188, 135.005



90, 89.188, 185.005



90, 89.188, 315.005



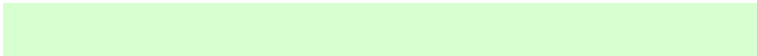
90, 89.188, 5.005

Sweetspot

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



90, 89.189, 135.006



96, 28.446, 137.800



88, 63.554, 91.661



51, 19.587, 137.635



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, 89.189, 135.006



89, 103.281, 134.412



90, 77.412, 147.102



52, 8.480, 138.312



68, 94.712, 134.646



23, 42.229, 133.926

Inverse Universe

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



63, 90.960, 321.186



58, 104.900, 321.287



65, 76.750, 338.662



50, 8.528, 319.142



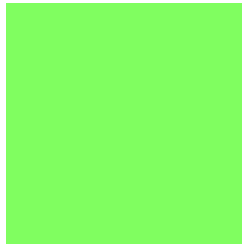
39, 94.898, 320.601



10, 43.507, 321.464

Previews

White Background



This preview shows how the CIE LCh color 90, 89.188, 135.005 looks on a white background.

Color Contrast Check

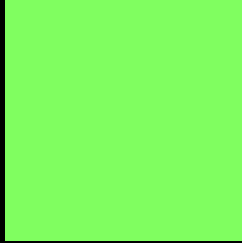
Large Text (above 18pt) WCAG AA × Fail

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, 89.188, 135.005 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

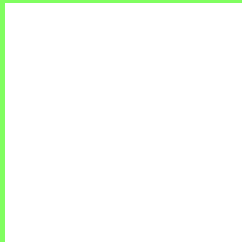
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 89.188, 135.005

Background



This preview shows how black text looks on a background with the CIELCh color 90, 89.188, 135.005.

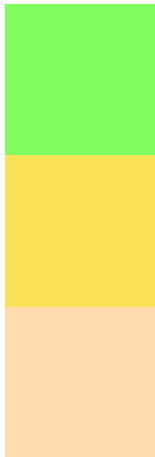


This preview shows how white text looks on a background with the CIELCh color 90, 89.188, 135.005.

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, 89.188, 135.005

Protanopia
89, 68.143, 95.212

Deuteranopia
89, 27.931, 77.484

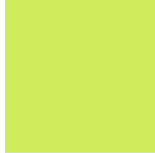


Tritanopia
90, 24.164, 221.061

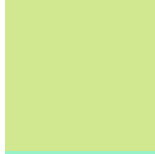
Trichromacy



Original Color
90, 89.188, 135.005



Protanomaly
89, 71.379, 114.417



Deuteranomaly
89, 45.163, 118.149

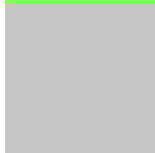


Tritanomaly
89, 39.730, 159.923

Monochromacy



Original Color
90, 89.188, 135.005



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 34.407, 137.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 89.188, 135.005 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(128, 254, 96)` looks like.

```
.text, #text, p{  
    color:rgb(128, 254, 96)  
}
```

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(128, 254, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 254, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 89.188, 135.005 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(128, 254, 96) }
```

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

```
.border{ border-color:rgb(128, 254, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 254, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 254, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 254, 96);  
box-shadow:4px 4px 4px 4px rgb(128, 254,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 89.188, 135.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 254, 96) }
```

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

```
.background{ background-color: rgb(128,  
254, 96) }
```

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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