

Converting Colors

CIELCh(89, 106.300, 135.110)

Have a look what the booklet for
CIELCh(89, 106.300, 135.110)
contains.

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Color

CIELCh(89, 106.288, 135.078)

Conversions

Conversions Part 1

Format	Color
Hex	5AFF3A
RGB	90, 255, 58
RGB Percent	35%, 100%, 23%
CMY	0.6459, 0.0000, 0.7715
CMYK	0.65, 0.00, 0.77, 0.00
HSL	110°, 100%, 61%
HSV	110°, 77%, 100%
XYZ	40.8491, 74.1641, 16.2010
YIQ	183.2070, -35.1030, -96.2470

Conversions

Conversions Part 2

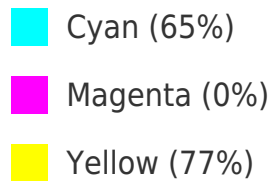
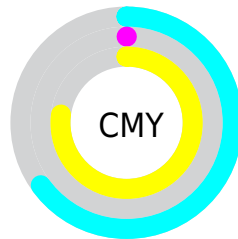
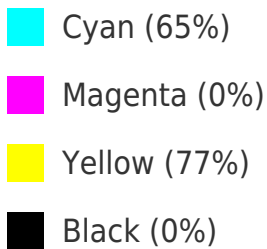
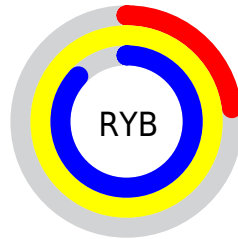
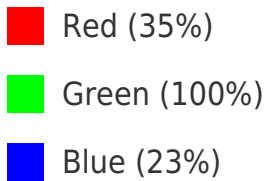
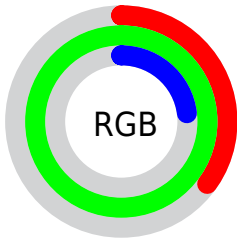
Format	Color
RYB	58, 255, 223
Decimal	5963578
CIELab	89.00, -75.26, 75.05
CIELCh	89, 106.288, 135.078
Yxy	74.1641, 0.3113, 0.5652
Android (android.graphics.Color)	4284153658 (0xFF5AFF3A)
YUV	183.2070, -61.7271, -81.7425
Hunter-Lab	86.1186, -66.0388, 49.1292

Details

The CIELCh color **89, 106.288, 135.078** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **58, 106.656, 322.555**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 76.263, 133.357**, and **69, 98.631, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 113.452, 134.907**, and if you desaturate by 10%, it is **90, 96.193, 135.568**.


Distribution





Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 106.288, 135.078 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, 106.288, 135.078 by changing the saturation by 10% instead.


 89, 106.288,
135.078


 89, 106.288,
135.078


 100, 106.288,
135.078


 79, 106.288,
135.078


 69, 106.288,
135.078

 59, 106.288,
135.078

 49, 106.288,
135.078

 39, 106.288,
135.078

 29, 106.288,
135.078

 19, 106.288,

135.078

■ 9, 106.288,
135.078

■ 0, 106.288,
135.078

■ 89, 106.288,
135.078

■ 89, 106.288,
135.078

■ 88, 113.452,
134.907

■ 90, 96.193,
135.568

■ 88, 117.650,
135.130

■ 91, 84.116,
136.247

■ 88, 118.465,
135.207

■ 92, 70.593,
136.995

■ 93, 56.147,
137.735

■ 95, 41.176,
138.424

■ 96, 25.979,
139.043

■ 98, 10.773,
139.597

■ 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.



89, 106.288, 135.078



58, 106.656, 322.555

Rectangle

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



89, 106.288, 135.078



89, 106.288, 185.078



89, 106.288, 315.078



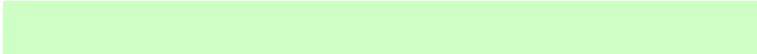
89, 106.288, 5.078

Sweetspot

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



89, 106.187, 135.076



95, 34.888, 138.689



89, 78.333, 93.288



50, 24.148, 138.459



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, 106.187, 135.076



88, 116.273, 134.993



89, 88.590, 146.362



52, 8.584, 139.471



68, 95.247, 135.073



23, 42.545, 134.528

Inverse Universe

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



58, 106.656, 322.555



54, 115.529, 322.218



60, 85.399, 343.313



50, 8.625, 320.332



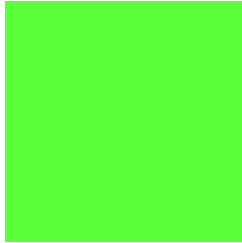
40, 94.377, 322.019



10, 43.313, 322.734

Previews

White Background



This preview shows how the CIELCh color 89, 106.288, 135.078 looks on a white background.

Color Contrast Check

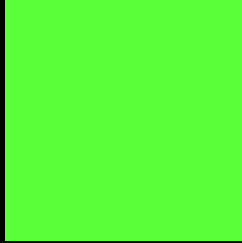
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 89, 106.288, 135.078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

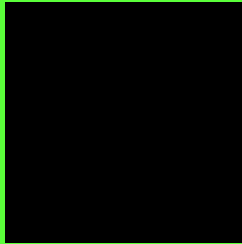
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 106.288, 135.078

Background



This preview shows how black text looks on a background with the CIELCh color 89, 106.288, 135.078.

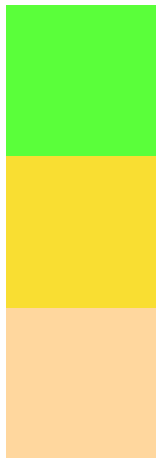


This preview shows how white text looks on a background with the CIELCh color 89, 106.288, 135.078.

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, 106.288, 135.078

Protanopia

88, 80.191, 95.132

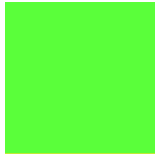
Deuteranopia

88, 33.934, 79.194



Tritanopia
89, 29.608, 216.361

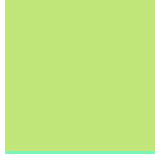
Trichromacy



Original Color
89, 106.288, 135.078



Protanomaly
87, 84.626, 115.604

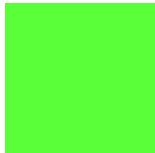


Deuteranomaly
87, 56.171, 120.119

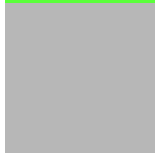


Tritanomaly
88, 51.416, 158.165

Monochromacy



Original Color
89, 106.288, 135.078



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 43.882, 138.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 106.288, 135.078 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(90, 255, 58)` looks like.

```
.text, #text, p{  
    color:rgb(90, 255, 58)  
}
```

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(90, 255, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 255, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 106.288, 135.078 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(90, 255, 58) }
```

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

```
.border{ border-color:rgb(90, 255, 58) }
```

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

Here you see how a box with a 4 pixel rgb(90, 255, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 255, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 255, 58);  
box-shadow:4px 4px 4px 4px rgb(90, 255,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 106.288, 135.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 255, 58) }
```

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

```
.background{ background-color: rgb(90, 255,  
58) }
```

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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