

Converting Colors

CIELCh(89, 105.925, 132.989)

Have a look what the booklet for
CIELCh(89, 105.925, 132.989)
contains.

CIELCh(89, 105.821, 132.969)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(89, 105.821, 132.969)

Conversions

Conversions Part 1

Format	Color
Hex	69FE32
RGB	105, 254, 50
RGB Percent	41%, 100%, 20%
CMY	0.5879, 0.0036, 0.8036
CMYK	0.59, 0.00, 0.80, 0.00
HSL	104°, 99%, 60%
HSV	104°, 80%, 100%
XYZ	41.8745, 74.1641, 15.1351
YIQ	186.1930, -23.3200, -95.0320

Conversions

Conversions Part 2

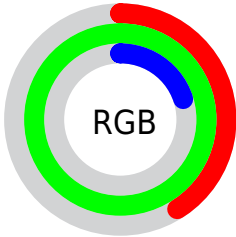
Format	Color
RYB	50, 254, 199
Decimal	6946354
CIELab	89.00, -72.13, 77.43
CIELCh	89, 105.821, 132.969
Yxy	74.1641, 0.3192, 0.5654
Android (android.graphics.Color)	4285136434 (0xFF69FE32)
YUV	186.1930, -67.1431, -71.2063
Hunter-Lab	86.1186, -63.9133, 49.8630

Details

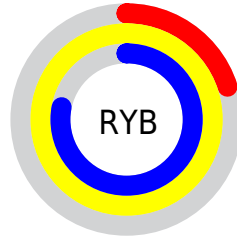
The CIELCh color **89, 105.821, 132.969** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **54, 109.385, 319.110**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 76.663, 129.847**, and **69, 98.203, 135.977** is the 20% darker color. If you saturate the color by 10%, you get **88, 112.369, 133.263**, and if you desaturate by 10%, it is **90, 96.578, 133.079**.

Distribution



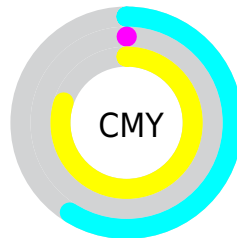
- Red (41%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (78%)



- Cyan (59%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 105.821, 132.969 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, 105.821, 132.969 by changing the saturation by 10% instead.


 89, 105.821,
132.969


 89, 105.821,
132.969


 100, 105.821,
132.969


 79, 105.821,
132.969


 69, 105.821,
132.969

 59, 105.821,
132.969


 49, 105.821,
132.969


 39, 105.821,
132.969


 29, 105.821,
132.969


 19, 105.821,


132.969


 9, 105.821,
132.969


 0, 105.821,
132.969


 89, 105.821,
132.969


 89, 105.821,
132.969


 88, 112.369,
133.263

 90, 96.578,
133.079

 88, 116.149,
133.903

 91, 85.224,
133.466

 92, 72.395,
134.003

 93, 58.616,
134.596

■ 94, 44.279,
135.185

■ 96, 29.671,
135.740

■ 98, 14.996,
136.248

■ 100, 0.401,
137.243

■ 100, 0.586,
323.934

Harmonies

Complementary

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



89, 105.821, 132.969



54, 109.385, 319.110

Rectangle

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



89, 105.821, 132.969



89, 105.821, 182.969



89, 105.821, 312.969



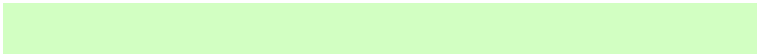
89, 105.821, 2.969

Sweetspot

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



89, 105.821, 132.970



96, 35.221, 135.539



82, 75.285, 83.836



50, 24.191, 135.340



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, 105.821, 132.970



88, 115.127, 133.631



88, 99.186, 141.897



52, 8.312, 136.286



68, 93.576, 133.705



23, 41.623, 132.714

Inverse Universe

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



54, 109.385, 319.110



50, 118.089, 318.431



60, 93.364, 337.188



50, 8.373, 317.079



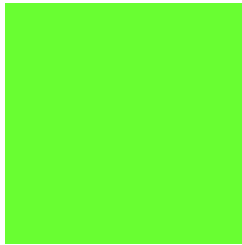
37, 95.934, 318.323



9, 43.893, 319.404

Previews

White Background



This preview shows how the CIE LCh color 89, 105.821, 132.969 looks on a white background.

Color Contrast Check

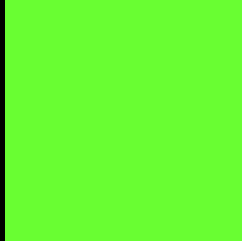
Large Text (above 18pt) WCAG AA × Fail

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, 105.821, 132.969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

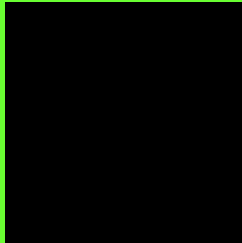
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 105.821, 132.969

Background



This preview shows how black text looks on a background with the CIELCh color 89, 105.821, 132.969.

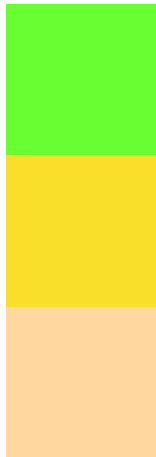


This preview shows how white text looks on a background with the CIELCh color 89, 105.821, 132.969.

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, 105.821, 132.969

Protanopia

88, 82.233, 95.161

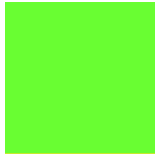
Deuteranopia

88, 33.473, 78.850



Tritanopia
89, 28.107, 218.650

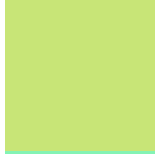
Trichromacy



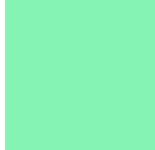
Original Color
89, 105.821, 132.969



Protanomaly
87, 86.130, 113.624

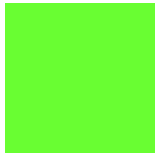


Deuteranomaly
87, 56.520, 117.535

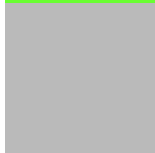


Tritanomaly
88, 50.138, 155.616

Monochromacy



Original Color
89, 105.821, 132.969



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 44.027, 134.906

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 105.821, 132.969 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(105, 254, 50)` looks like.

```
.text, #text, p{  
    color:rgb(105, 254, 50)  
}
```

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(105, 254, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 254, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 105.821, 132.969 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(105, 254, 50) }
```

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

```
.border{ border-color:rgb(105, 254, 50) }
```

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

Here you see how a box with a 4 pixel rgb(105, 254, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 254, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 254, 50);  
box-shadow:4px 4px 4px 4px rgb(105, 254,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 105.821, 132.969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 254, 50) }
```

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

```
.background{ background-color: rgb(105,  
254, 50) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor