

Converting Colors

CIELCh(89, 105.068, 131.045)

Have a look what the booklet for
CIELCh(89, 105.068, 131.045)
contains.

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Color

CIELCh(89, 105.206, 131.087)

Conversions

Conversions Part 1

Format	Color
Hex	75FD2B
RGB	117, 253, 43
RGB Percent	46%, 99%, 17%
CMY	0.5414, 0.0081, 0.8317
CMYK	0.54, 0.00, 0.83, 0.01
HSL	99°, 98%, 58%
HSV	99°, 83%, 99%
XYZ	42.8682, 74.1641, 14.3330
YIQ	188.3960, -13.6460, -94.1420

Conversions

Conversions Part 2

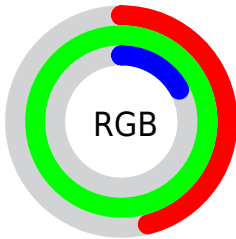
Format	Color
R _Y B	43, 253, 179
Decimal	7732523
CIE Lab	89.00, -69.14, 79.30
CIE LCh	89, 105.206, 131.087
Yxy	74.1641, 0.3263, 0.5646
Android (android.graphics.Color)	4285922603 (0xFF75FD2B)
YUV	188.3960, -71.6802, -62.6143
Hunter-Lab	86.1186, -61.8536, 50.4152

Details

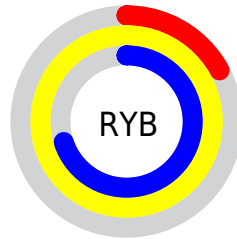
The CIELCh color **89, 105.206, 131.087** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **50, 111.983, 316.539**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 76.697, 126.971**, and **69, 95.991, 134.564** is the 20% darker color. If you saturate the color by 10%, you get **88, 110.993, 131.716**, and if you desaturate by 10%, it is **90, 96.743, 130.915**.

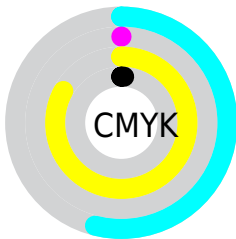
Distribution



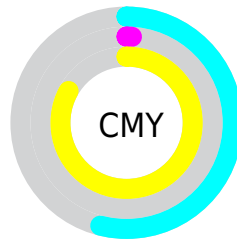
- Red (46%)
- Green (99%)
- Blue (17%)



- Red (17%)
- Yellow (99%)
- Blue (70%)



- Cyan (54%)
- Magenta (0%)
- Yellow (83%)
- Black (1%)





- Cyan (54%)
- Magenta (1%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 105.206, 131.087 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, 105.206, 131.087 by changing the saturation by 10% instead.


 89, 105.206,
131.087


 89, 105.206,
131.087


 100, 105.206,
131.087


 79, 105.206,
131.087

 69, 105.206,
131.087

 59, 105.206,
131.087

 49, 105.206,
131.087

 39, 105.206,
131.087

 29, 105.206,
131.087

 19, 105.206,

131.087

■ 9, 105.206,
131.087

■ 0, 105.206,
131.087

■ 89, 105.206,
131.087

■ 89, 105.206,
131.087

■ 88, 110.993,
131.716

■ 90, 96.743,
130.915

■ 88, 113.598,
132.366

■ 91, 86.105,
131.088

■ 92, 73.915,
131.473

■ 93, 60.713,
131.964

■ 94, 46.901,
132.490

■ 95, 32.765,
133.008

■ 97, 18.510,
133.497

■ 99, 4.279, 133.974

■ 99, 1.284, 324.246

Harmonies

Complementary

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



89, 105.206, 131.087



50, 111.983, 316.539

Rectangle

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



89, 105.206, 131.087



89, 105.206, 181.087



89, 105.206, 311.087



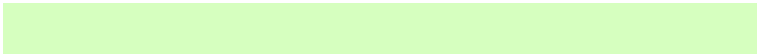
89, 105.206, 1.087

Sweetspot

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



89, 105.206, 131.088



96, 35.800, 132.907



77, 74.847, 76.091



51, 24.412, 132.726



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, 105.206, 131.088



89, 114.304, 132.372



88, 106.325, 139.276



52, 8.119, 133.661



68, 91.803, 132.130



23, 40.774, 130.862

Inverse Universe

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



50, 111.983, 316.539



46, 121.132, 315.559



60, 99.846, 333.389



49, 8.198, 314.436



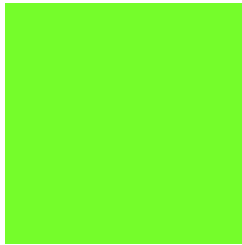
34, 97.445, 315.739



8, 44.436, 317.014

Previews

White Background



This preview shows how the CIE LCh color 89, 105.206, 131.087 looks on a white background.

Color Contrast Check

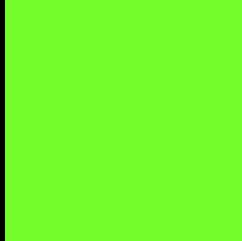
Large Text (above 18pt) WCAG AA × Fail

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, 105.206, 131.087 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, 105.206, 131.087

Background



This preview shows how black text looks on a background with the CIELCh color 89, 105.206, 131.087.



This preview shows how white text looks on a background with the CIELCh color 89, 105.206, 131.087.

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, 105.206, 131.087

Protanopia

88, 84.044, 94.886

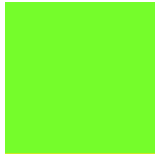
Deuteranopia

88, 33.697, 79.815



Tritanopia
89, 26.476, 220.100

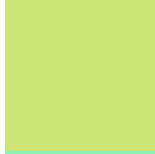
Trichromacy



Original Color
89, 105.206, 131.087



Protanomaly
87, 87.117, 111.769

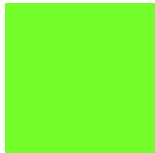


Deuteranomaly
87, 57.017, 115.348

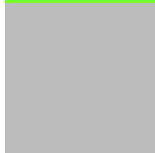


Tritanomaly
88, 49.034, 153.002

Monochromacy



Original Color
89, 105.206, 131.087



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 44.652, 132.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 105.206, 131.087 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(117, 253, 43)` looks like.

```
.text, #text, p{  
    color:rgb(117, 253, 43)  
}
```

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(117, 253, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 253, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 105.206, 131.087 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(117, 253, 43) }
```

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

```
.border{ border-color:rgb(117, 253, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 253, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 253, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 253, 43);  
box-shadow:4px 4px 4px 4px rgb(117, 253,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 105.206, 131.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 253, 43) }
```

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

```
.background{ background-color: rgb(117,  
253, 43) }
```

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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