

Converting Colors

CIELCh(86, 106.359, 129.384)

Have a look what the booklet for
CIELCh(86, 106.359, 129.384)
contains.

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Color

CIELCh(86, 106.244, 129.392)

Conversions

Conversions Part 1

Format	Color
Hex	72F306
RGB	114, 243, 6
RGB Percent	45%, 95%, 2%
CMY	0.5510, 0.0453, 0.9780
CMYK	0.53, 0.00, 0.98, 0.05
HSL	93°, 95%, 49%
HSV	93°, 98%, 95%
XYZ	39.2160, 67.9871, 11.2162
YIQ	177.4110, -0.8070, -101.0550

Conversions

Conversions Part 2

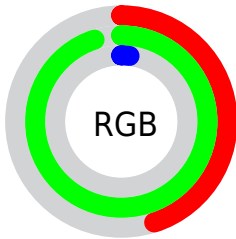
Format	Color
RYB	6, 243, 135
Decimal	7533318
CIELab	86.00, -67.42, 82.11
CIELCh	86, 106.244, 129.392
Yxy	67.9871, 0.3312, 0.5741
Android (android.graphics.Color)	4285723398 (0xFF72F306)
YUV	177.4110, -84.5056, -55.6114
Hunter-Lab	82.4543, -59.3987, 49.6529

Details

The CIELCh color **86, 106.244, 129.392** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark saturated chartreuse. A complement of this color would be **41, 118.669, 312.867**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 83.503, 125.579**, and **66, 92.798, 134.670** is the 20% darker color. If you saturate the color by 10%, you get **86, 107.050, 129.648**, and if you desaturate by 10%, it is **87, 101.892, 128.376**.

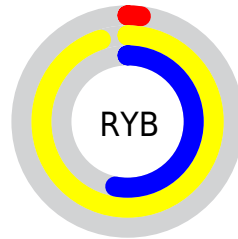
Distribution



Red (45%)

Green (95%)

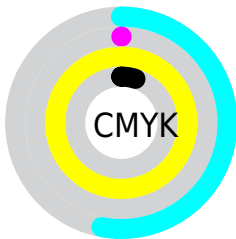
Blue (2%)



Red (2%)

Yellow (95%)

Blue (53%)

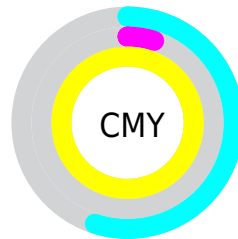


Cyan (53%)

Magenta (0%)

Yellow (98%)

Black (5%)



Cyan (55%)


Magenta (5%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 106.244, 129.392 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 86, 106.244, 129.392 by changing the saturation by 10% instead.


 86, 106.244,
129.392


 86, 106.244,
129.392


 100, 106.244,
129.392


 76, 106.244,
129.392


 66, 106.244,
129.392

 56, 106.244,
129.392

 46, 106.244,
129.392

 36, 106.244,
129.392

 26, 106.244,
129.392

 16, 106.244,

129.392

■ 6, 106.244,
129.392

■ 0, 106.244,
129.392

■ 86, 106.244,
129.392

■ 86, 106.244,
129.392

■ 86, 107.050,
129.648

■ 87, 101.892,
128.376

■ 87, 95.013,
127.847

■ 88, 85.857,
127.746

■ 89, 74.994,
127.941

■ 90, 62.977,
128.312

■ 91, 50.237,
128.770

■ 92, 37.078,
129.260

■ 93, 23.713,
129.746

■ 95, 10.290,
130.214

Harmonies

Complementary

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



86, 106.244, 129.392



41, 118.669, 312.867

Rectangle

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



86, 106.244, 129.392



86, 106.244, 179.392



86, 106.244, 309.392



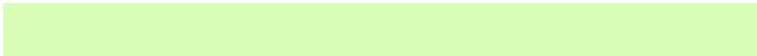
86, 106.244, 359.392

Sweetspot

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



86, 106.244, 129.393



96, 40.299, 129.192



66, 80.505, 63.373



50, 27.605, 128.982



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



86, 106.244, 129.393



90, 110.923, 129.688



84, 114.618, 136.275



51, 7.640, 130.131



67, 87.281, 129.380



21, 36.952, 128.192

Inverse Universe

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



41, 118.669, 312.867



42, 123.896, 312.678



57, 108.324, 329.586



47, 7.737, 310.931



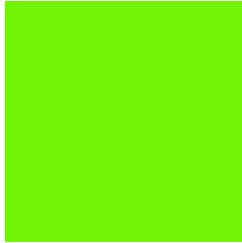
30, 97.617, 312.895



6, 41.577, 313.706

Previews

White Background



This preview shows how the CIELCh color 86, 106.244, 129.392 looks on a white background.

Color Contrast Check

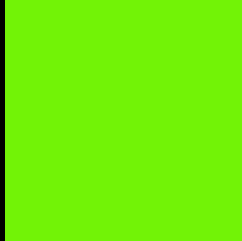
Large Text (above 18pt) WCAG AA × Fail

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 86, 106.244, 129.392 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 86, 106.244, 129.392

Background



This preview shows how black text looks on a background with the CIELCh color 86, 106.244, 129.392.



This preview shows how white text looks on a background with the CIELCh color 86, 106.244, 129.392.

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

86, 106.106, 129.436

Protanopia

85, 85.781, 94.938

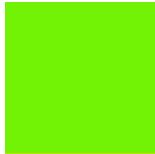
Deuteranopia

85, 47.651, 80.738



Tritanopia
86, 25.182, 220.203

Trichromacy



Original Color
86, 106.106, 129.436



Protanomaly
85, 89.108, 111.054



Deuteranomaly
84, 68.261, 110.032

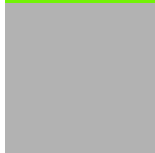


Tritanomaly
85, 52.058, 147.677

Monochromacy



Original Color
86, 106.106, 129.436



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 49.114, 128.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 106.244, 129.392 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(114, 243, 6)` looks like.

```
.text, #text, p{  
    color:rgb(114, 243, 6)  
}
```

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(114, 243, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 243, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 106.244, 129.392 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(114, 243, 6) }
```

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

```
.border{ border-color:rgb(114, 243, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 243, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 243, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 243, 6);  
box-shadow:4px 4px 4px 4px rgb(114, 243,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 106.244, 129.392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 243, 6) }
```

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

```
.background{ background-color: rgb(114,  
243, 6) }
```

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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