

Converting Colors

CIELCh(86, 111.668, 132.778)

Have a look what the booklet for
CIELCh(86, 111.668, 132.778)
contains.

CIELCh(86, 111.528, 132.810)	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(86, 111.528, 132.810)

Conversions

Conversions Part 1

Format	Color
Hex	53F605
RGB	83, 246, 5
RGB Percent	33%, 96%, 2%
CMY	0.6763, 0.0337, 0.9823
CMYK	0.67, 0.00, 0.98, 0.03
HSL	101°, 96%, 49%
HSV	101°, 98%, 97%
XYZ	36.6308, 67.9871, 11.3204
YIQ	169.7890, -19.7870, -109.5070

Conversions

Conversions Part 2

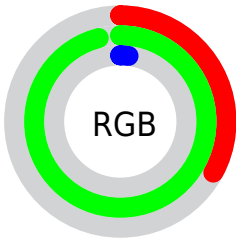
Format	Color
RYB	5, 246, 168
Decimal	5502469
CIELab	86.00, -75.79, 81.82
CIELCh	86, 111.528, 132.810
Yxy	67.9871, 0.3160, 0.5864
Android (android.graphics.Color)	4283692549 (0xFF53F605)
YUV	169.7890, -81.2410, -76.1140
Hunter-Lab	82.4543, -64.9954, 49.5779

Details

The CIELCh color **86, 111.528, 132.810** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated green. A complement of this color would be **46, 116.731, 316.610**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 87.290, 130.604**, and **66, 95.251, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **86, 112.159, 132.956**, and if you desaturate by 10%, it is **86, 107.182, 132.043**.

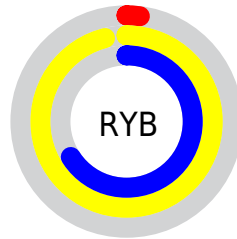
Distribution



Red (33%)

Green (96%)

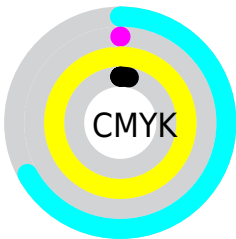
Blue (2%)



Red (2%)

Yellow (96%)

Blue (66%)

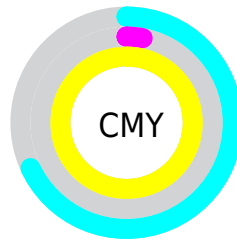


Cyan (67%)

Magenta (0%)

Yellow (98%)

Black (3%)



Cyan (68%)


Magenta (3%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 111.528, 132.810 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, 111.528, 132.810 by changing the saturation by 10% instead.


 86, 111.528,
132.810


 86, 111.528,
132.810


 100, 111.528,
132.810


 76, 111.528,
132.810


 66, 111.528,
132.810

 56, 111.528,
132.810

 46, 111.528,
132.810

 36, 111.528,
132.810

 26, 111.528,
132.810

 16, 111.528,

132.810

■ 6, 111.528,
132.810

■ 0, 111.528,
132.810

■ 86, 111.528,
132.810

■ 86, 111.528,
132.810

■ 86, 112.159,
132.956

■ 86, 107.182,
132.043

■ 87, 100.155,
131.716

■ 88, 90.685,
131.786

■ 89, 79.364,
132.123

■ 90, 66.780,
132.605

■ 91, 53.400,
133.145

■ 92, 39.566,
133.688

■ 94, 25.521,
134.204

■ 96, 11.439,
134.684

Harmonies

Complementary

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



86, 111.528, 132.810



46, 116.731, 316.610

Rectangle

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



86, 111.528, 132.810



86, 111.528, 182.810



86, 111.528, 312.810



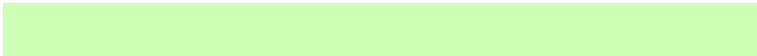
86, 111.528, 2.810

Sweetspot

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



86, 111.527, 132.811



95, 41.867, 133.641



74, 79.931, 75.545



50, 28.691, 133.410



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, 111.527, 132.811



89, 115.142, 132.980



85, 111.380, 137.866



50, 7.917, 134.623



67, 90.614, 132.726



21, 38.374, 131.914

Inverse Universe

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



46, 116.731, 316.610



47, 120.407, 316.465



56, 98.559, 336.203



48, 7.987, 315.397



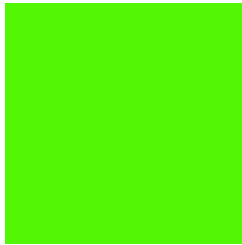
34, 94.935, 316.655



7, 41.614, 317.867

Previews

White Background



This preview shows how the CIELCh color 86, 111.528, 132.810 looks on a white background.

Color Contrast Check

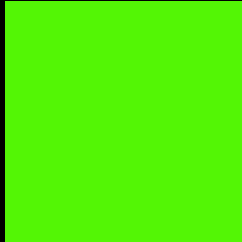
Large Text (above 18pt) WCAG AA × Fail

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, 111.528, 132.810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

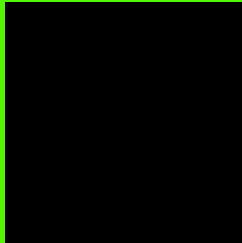
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 111.528, 132.810

Background



This preview shows how black text looks on a background with the CIELCh color 86, 111.528, 132.810.



This preview shows how white text looks on a background with the CIELCh color 86, 111.528, 132.810.

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, 111.284, 132.772

Protanopia

85, 85.715, 95.228

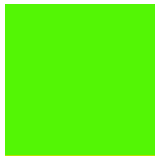
Deuteranopia

85, 48.353, 80.456



Tritanopia
86, 30.732, 216.739

Trichromacy



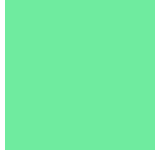
Original Color
86, 111.284, 132.772



Protanomaly
84, 90.463, 114.338



Deuteranomaly
83, 69.767, 113.948

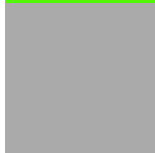


Tritanomaly
85, 57.849, 152.633

Monochromacy



Original Color
86, 111.284, 132.772



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 51.893, 132.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 111.528, 132.810 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(83, 246, 5)` looks like.

```
.text, #text, p{  
    color:rgb(83, 246, 5)  
}
```

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(83, 246, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 246, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 111.528, 132.810 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(83, 246, 5) }
```

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

```
.border{ border-color:rgb(83, 246, 5) }
```

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

Here you see how a box with a 4 pixel rgb(83, 246, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 246, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 246, 5);  
box-shadow:4px 4px 4px 4px rgb(83, 246, 5)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 86, 111.528, 132.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 246, 5) }
```

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

```
.background{ background-color: rgb(83, 246,  
5) }
```

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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