

Converting Colors

CIELCh(86, 112.120, 132.689)

Have a look what the booklet for
CIELCh(86, 112.120, 132.689)
contains.

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Color

CIELCh(86, 111.728, 132.743)

Conversions

Conversions Part 1

Format	Color
Hex	53F602
RGB	83, 246, 2
RGB Percent	33%, 96%, 1%
CMY	0.6763, 0.0336, 0.9940
CMYK	0.66, 0.00, 0.99, 0.03
HSL	100°, 99%, 49%
HSV	100°, 99%, 97%
XYZ	36.6187, 67.9871, 11.2356
YIQ	169.4470, -18.8240, -110.4400

Conversions

Conversions Part 2

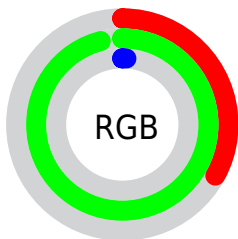
Format	Color
R_{YB}	2, 246, 165
Decimal	5502466
CIE _{Lab}	86.00, -75.83, 82.05
CIE _{LCh}	86, 111.728, 132.743
Yxy	67.9871, 0.3161, 0.5869
Android (android.graphics.Color)	4283692546 (0xFF53F602)
YUV	169.4470, -82.5514, -75.8140
Hunter-Lab	82.4543, -65.0215, 49.6389

Details

The CIELCh color **86, 111.728, 132.743** 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 **45, 117.304, 316.271**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 87.637, 130.480**, and **66, 95.251, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **86, 111.942, 132.793**, and if you desaturate by 10%, it is **86, 107.616, 131.928**.

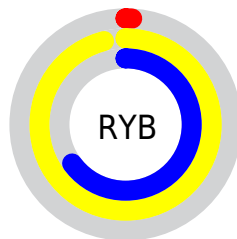
Distribution



Red (33%)

Green (96%)

Blue (1%)



Red (1%)

Yellow (96%)

Blue (65%)

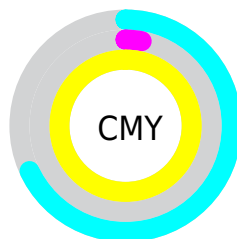


Cyan (66%)

Magenta (0%)

Yellow (99%)

Black (3%)



Cyan (68%)


Magenta (3%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 111.728, 132.743 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, 111.728, 132.743 by changing the saturation by 10% instead.


 86, 111.728,
132.743


 86, 111.728,
132.743


 100, 111.728,
132.743


 76, 111.728,
132.743


 66, 111.728,
132.743

 56, 111.728,
132.743

 46, 111.728,
132.743

 36, 111.728,
132.743

 26, 111.728,
132.743

 16, 111.728,

132.743

■ 6, 111.728,
132.743

■ 0, 111.728,
132.743

■ 86, 111.728,
132.743

■ 86, 111.728,
132.743

■ 86, 111.942,
132.793

■ 86, 107.616,
131.928

■ 87, 100.917,
131.526

■ 88, 91.725,
131.538

■ 89, 80.615,
131.837

■ 90, 68.183,
132.297

■ 91, 54.911,
132.825

■ 92, 41.152,
133.364

■ 94, 27.158,
133.881

■ 95, 13.107,
134.363

Harmonies

Complementary

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



86, 111.728, 132.743



45, 117.304, 316.271

Rectangle

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



86, 111.728, 132.743



86, 111.728, 182.743



86, 111.728, 312.743



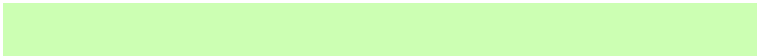
86, 111.728, 2.743

Sweetspot

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



86, 111.727, 132.744



95, 43.194, 133.328



74, 80.240, 75.235



50, 29.426, 133.101



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, 111.727, 132.744



89, 114.915, 132.818



85, 111.924, 137.720



50, 7.899, 134.358



67, 90.433, 132.560



21, 38.291, 131.718

Inverse Universe

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



45, 117.304, 316.271



47, 120.605, 316.209



56, 98.622, 336.310



48, 7.970, 315.131



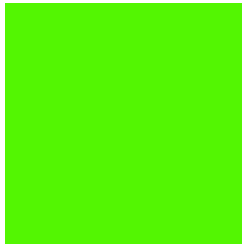
34, 95.086, 316.402



7, 41.625, 317.612

Previews

White Background



This preview shows how the CIELCh color 86, 111.728, 132.743 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 86, 111.728, 132.743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

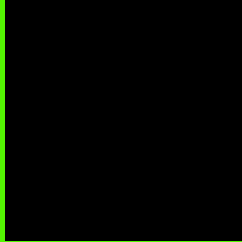
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 111.728, 132.743

Background



This preview shows how black text looks on a background with the CIELCh color 86, 111.728, 132.743.



This preview shows how white text looks on a background with the CIELCh color 86, 111.728, 132.743.

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

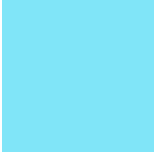
86, 111.484, 132.705

Protanopia

85, 85.715, 95.228

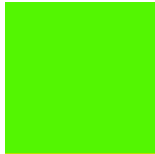
Deuteranopia

85, 48.353, 80.456



Tritanopia
86, 30.732, 216.739

Trichromacy



Original Color
86, 111.484, 132.705



Protanomaly
84, 90.545, 114.322

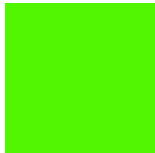


Deuteranomaly
83, 70.151, 113.868

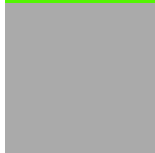


Tritanomaly
85, 58.237, 152.289

Monochromacy



Original Color
86, 111.484, 132.705



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 52.338, 132.709

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 111.728, 132.743 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(83, 246, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 86, 111.728, 132.743 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, 2) }
```

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

```
.border{ border-color:rgb(83, 246, 2) }
```

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, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 246, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 246, 2);  
box-shadow:4px 4px 4px 4px rgb(83, 246, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 86, 111.728, 132.743 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, 2) }
```

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

```
.background{ background-color: rgb(83, 246,  
2) }
```

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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