

Converting Colors

CIELCh(84, 106.241, 131.908)

Have a look what the booklet for
CIELCh(84, 106.241, 131.908)
contains.

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Color

CIELCh(84, 106.332, 131.945)

Conversions

Conversions Part 1

Format	Color
Hex	5DEF12
RGB	93, 239, 18
RGB Percent	36%, 94%, 7%
CMY	0.6356, 0.0630, 0.9299
CMYK	0.61, 0.00, 0.93, 0.06
HSL	100°, 87%, 50%
HSV	100°, 93%, 94%
XYZ	35.4644, 64.0658, 11.0629
YIQ	170.1520, -16.0750, -99.6830

Conversions

Conversions Part 2

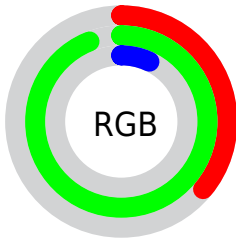
Format	Color
RYB	18, 239, 164
Decimal	6156050
CIELab	84.00, -71.07, 79.09
CIELCh	84, 106.332, 131.945
Yxy	64.0658, 0.3207, 0.5793
Android (android.graphics.Color)	4284346130 (0xFF5DEF12)
YUV	170.1520, -75.0109, -67.6623
Hunter-Lab	80.0411, -60.9826, 47.8340

Details

The CIELCh color **84, 106.332, 131.945** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **45, 112.407, 316.500**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 85.493, 129.545**, and **65, 92.981, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **84, 109.105, 132.596**, and if you desaturate by 10%, it is **85, 100.594, 131.386**.

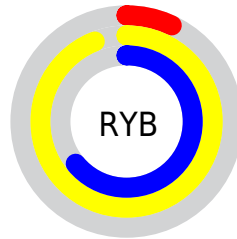
Distribution



Red (36%)

Green (94%)

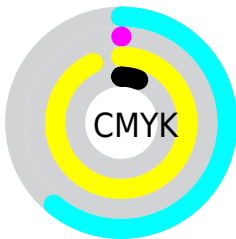
Blue (7%)



Red (7%)

Yellow (94%)

Blue (64%)

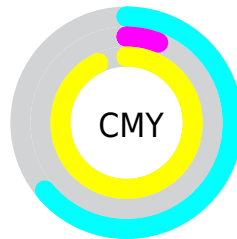


Cyan (61%)

Magenta (0%)

Yellow (93%)

Black (6%)



Cyan (64%)


Magenta (6%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 106.332, 131.945 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 84, 106.332, 131.945 by changing the saturation by 10% instead.


 84, 106.332,
131.945


 84, 106.332,
131.945


 100, 106.332,
131.945


 74, 106.332,
131.945

 64, 106.332,
131.945

 54, 106.332,
131.945

 44, 106.332,
131.945

 34, 106.332,
131.945

 24, 106.332,
131.945

 14, 106.332,

131.945

■ 4, 106.332,
131.945

■ 0, 106.332,
131.945

■ 84, 106.332,
131.945

■ 84, 106.332,
131.945

■ 84, 109.105,
132.596

■ 85, 100.594,
131.386

■ 85, 92.319,
131.269

■ 86, 82.003,
131.481

■ 87, 70.241,
131.891

■ 88, 57.537,
132.397

■ 89, 44.268,
132.930

■ 91, 30.705,
133.451

■ 92, 17.038,
133.940

■ 94, 3.404, 134.425

Harmonies

Complementary

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



84, 106.332, 131.945



45, 112.407, 316.500

Rectangle

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



84, 106.332, 131.945



84, 106.332, 181.945



84, 106.332, 311.945



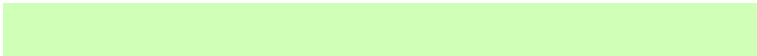
84, 106.332, 1.945

Sweetspot

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



84, 106.332, 131.946



95, 40.230, 133.163



72, 76.406, 75.503



50, 27.742, 132.935



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 106.332, 131.946



89, 114.675, 132.644



83, 106.799, 138.329



49, 7.745, 134.082



66, 89.306, 132.368



20, 36.795, 131.747

Inverse Universe

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



45, 112.407, 316.500



46, 120.814, 315.947



55, 97.047, 334.821



47, 7.817, 314.852



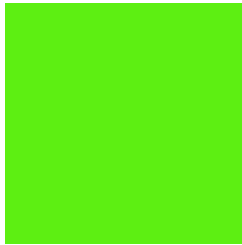
33, 94.268, 316.152



6, 40.073, 317.228

Previews

White Background



This preview shows how the CIE LCh color 84, 106.332, 131.945 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 84, 106.332, 131.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

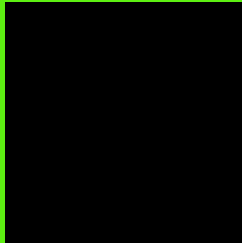
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 106.332, 131.945

Background



This preview shows how black text looks on a background with the CIELCh color 84, 106.332, 131.945.



This preview shows how white text looks on a background with the CIELCh color 84, 106.332, 131.945.

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

84, 106.332, 131.945

Protanopia

83, 83.951, 95.024

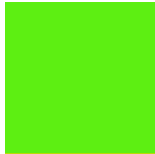
Deuteranopia

83, 59.816, 80.822



Tritanopia
84, 27.989, 217.769

Trichromacy



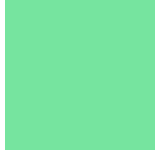
Original Color
84, 106.332, 131.945



Protanomaly
82, 87.398, 112.931

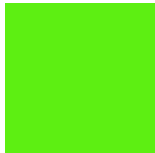


Deuteranomaly
82, 71.273, 109.806

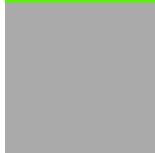


Tritanomaly
83, 52.630, 152.659

Monochromacy



Original Color
84, 106.332, 131.945



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 47.173, 132.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 106.332, 131.945 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(93, 239, 18)` looks like.

```
.text, #text, p{  
    color:rgb(93, 239, 18)  
}
```

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(93, 239, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 239, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 106.332, 131.945 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(93, 239, 18) }
```

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

```
.border{ border-color:rgb(93, 239, 18) }
```

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

Here you see how a box with a 4 pixel rgb(93, 239, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 239, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 239, 18);  
box-shadow:4px 4px 4px 4px rgb(93, 239,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 106.332, 131.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 239, 18) }
```

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

```
.background{ background-color: rgb(93, 239,  
18) }
```

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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