

Converting Colors

CIELCh(84, 105.638, 136.020)

Have a look what the booklet for
CIELCh(84, 105.638, 136.020)
contains.

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Color

CIELCh(84, 105.706, 136.067)

Conversions

Conversions Part 1

Format	Color
Hex	40F12F
RGB	64, 241, 47
RGB Percent	25%, 95%, 18%
CMY	0.7503, 0.0557, 0.8167
CMYK	0.74, 0.00, 0.81, 0.06
HSL	115°, 87%, 56%
HSV	115°, 81%, 94%
XYZ	33.9925, 64.0658, 13.2354
YIQ	165.9610, -43.2180, -97.8580

Conversions

Conversions Part 2

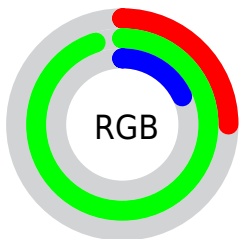
Format	Color
RYB	47, 241, 224
Decimal	4256047
CIELab	84.00, -76.12, 73.34
CIELCh	84, 105.706, 136.067
Yxy	64.0658, 0.3054, 0.5756
Android (android.graphics.Color)	4282446127 (0xFF40F12F)
YUV	165.9610, -58.6478, -89.4198
Hunter-Lab	80.0411, -64.2650, 46.2247

Details

The CIELCh color **84, 105.706, 136.067** 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 **56, 104.243, 325.049**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 83.403, 135.404**, and **65, 93.360, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **84, 111.411, 135.743**, and if you desaturate by 10%, it is **85, 97.114, 136.718**.

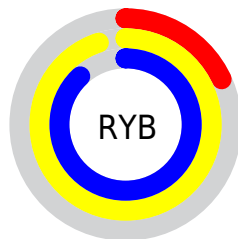
Distribution



Red (25%)

Green (95%)

Blue (18%)



Red (18%)

Yellow (95%)

Blue (88%)

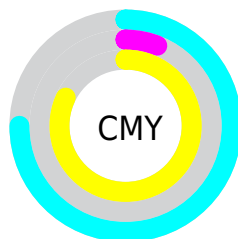


Cyan (74%)

Magenta (0%)

Yellow (81%)

Black (6%)



Cyan (75%)


Magenta (6%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 105.706, 136.067 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, 105.706, 136.067 by changing the saturation by 10% instead.


 84, 105.706,
136.067


 84, 105.706,
136.067


 100, 105.706,
136.067


 74, 105.706,
136.067


 64, 105.706,
136.067

 54, 105.706,
136.067

 44, 105.706,
136.067

 34, 105.706,
136.067

 24, 105.706,
136.067

 14, 105.706,

136.067

■ 4, 105.706,
136.067

■ 0, 105.706,
136.067

■ 84, 105.706,
136.067

■ 84, 105.706,
136.067

■ 84, 111.411,
135.743

■ 85, 97.114,
136.718

■ 83, 114.209,
135.711

■ 85, 86.188,
137.562

■ 86, 73.562,
138.471

■ 88, 59.795,
139.355

■ 89, 45.336,
140.168

■ 91, 30.529,
140.891

■ 93, 15.638,
141.524

■ 95, 0.853, 142.363

■ 97, 8.857, 324.715

Harmonies

Complementary

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



84, 105.706, 136.067



56, 104.243, 325.049

Rectangle

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



84, 105.706, 136.067



84, 105.706, 186.067



84, 105.706, 316.067



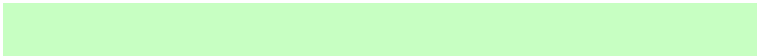
84, 105.706, 6.067

Sweetspot

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



84, 105.706, 136.068



95, 37.296, 140.650



87, 80.382, 97.444



50, 25.617, 140.390



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, 105.706, 136.068



88, 118.575, 135.734



84, 82.550, 148.391



49, 8.355, 141.590



65, 93.089, 135.628



20, 38.939, 136.431

Inverse Universe

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



56, 104.243, 325.049



57, 115.651, 324.844



55, 80.204, 348.236



47, 8.381, 322.522



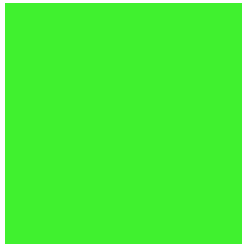
41, 90.798, 324.841



9, 39.596, 325.304

Previews

White Background



This preview shows how the CIELCh color 84, 105.706, 136.067 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 84, 105.706, 136.067 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, 105.706, 136.067

Background



This preview shows how black text looks on a background with the CIELCh color 84, 105.706, 136.067.



This preview shows how white text looks on a background with the CIELCh color 84, 105.706, 136.067.

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

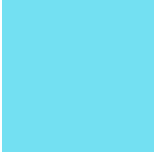
84, 105.706, 136.067

Protanopia

83, 78.512, 94.972

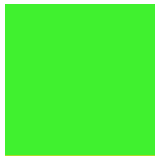
Deuteranopia

83, 59.391, 80.696



Tritanopia
84, 32.257, 214.761

Trichromacy



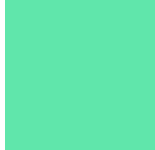
Original Color
84, 105.706, 136.067



Protanomaly
82, 83.636, 117.126

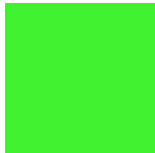


Deuteranomaly
81, 68.318, 114.559

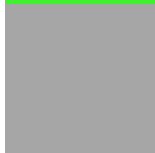


Tritanomaly
83, 53.351, 160.330

Monochromacy



Original Color
84, 105.706, 136.067



Achromatopsia
68, 0.008, 296.813



Achromatomaly
72, 44.830, 139.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 105.706, 136.067 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(64, 241, 47)` looks like.

```
.text, #text, p{  
    color:rgb(64, 241, 47)  
}
```

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(64, 241, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 241, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 105.706, 136.067 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(64, 241, 47) }
```

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

```
.border{ border-color:rgb(64, 241, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 241, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 241, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 241, 47);  
box-shadow:4px 4px 4px 4px rgb(64, 241,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 105.706, 136.067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 241, 47) }
```

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

```
.background{ background-color: rgb(64, 241,  
47) }
```

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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