

Converting Colors

CIELCh(84, 112.647, 134.922)

Have a look what the booklet for
CIELCh(84, 112.647, 134.922)
contains.

CIELCh(84, 112.748, 134.946)	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(84, 112.748, 134.946)

Conversions

Conversions Part 1

Format	Color
Hex	31F206
RGB	49, 242, 6
RGB Percent	19%, 95%, 2%
CMY	0.8091, 0.0516, 0.9747
CMYK	0.80, 0.00, 0.97, 0.05
HSL	109°, 95%, 49%
HSV	109°, 97%, 95%
XYZ	32.9896, 64.0658, 10.8118
YIQ	157.3890, -39.2720, -114.3120

Conversions

Conversions Part 2

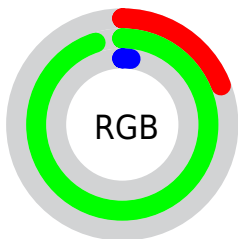
Format	Color
RYB	6, 242, 199
Decimal	3273222
CIELab	84.00, -79.65, 79.80
CIELCh	84, 112.748, 134.946
Yxy	64.0658, 0.3058, 0.5939
Android (android.graphics.Color)	4281463302 (0xFF31F206)
YUV	157.3890, -74.6348, -95.0572
Hunter-Lab	80.0411, -66.5016, 48.0200

Details

The CIELCh color **84, 112.748, 134.946** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **50, 112.224, 321.452**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 91.084, 134.065**, and **65, 93.739, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **84, 113.534, 135.027**, and if you desaturate by 10%, it is **84, 108.620, 134.669**.

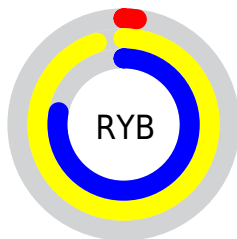
Distribution



Red (19%)

Green (95%)

Blue (2%)



Red (2%)

Yellow (95%)

Blue (78%)

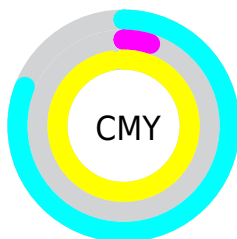


Cyan (80%)

Magenta (0%)

Yellow (97%)

Black (5%)



Cyan (81%)


Magenta (5%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 112.748, 134.946 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, 112.748, 134.946 by changing the saturation by 10% instead.


 84, 112.748,
134.946


 84, 112.748,
134.946


 100, 112.748,
134.946


 74, 112.748,
134.946


 64, 112.748,
134.946

 54, 112.748,
134.946

 44, 112.748,
134.946

 34, 112.748,
134.946

 24, 112.748,
134.946

 14, 112.748,

134.946

■ 4, 112.748,
134.946

■ 0, 112.748,
134.946

■ 84, 112.748,
134.946

■ 84, 112.748,
134.946

■ 84, 113.534,
135.027

■ 84, 108.620,
134.669

■ 85, 101.602,
134.785

■ 86, 92.008,
135.228

■ 86, 80.454,
135.865

■ 88, 67.543,
136.579

■ 89, 53.767,
137.291

■ 90, 39.501,
137.959

■ 92, 25.020,
138.564

■ 94, 10.529,
139.106

Harmonies

Complementary

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



84, 112.748, 134.946



50, 112.224, 321.452

Rectangle

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



84, 112.748, 134.946



84, 112.748, 184.946



84, 112.748, 314.946



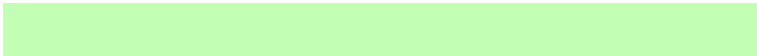
84, 112.748, 4.946

Sweetspot

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



84, 112.747, 134.947



94, 43.746, 137.846



82, 82.202, 89.424



50, 29.980, 137.563



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, 112.747, 134.947



88, 118.219, 135.050



84, 100.015, 141.810



49, 8.117, 138.994



65, 92.162, 134.881



20, 38.214, 134.979

Inverse Universe

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



50, 112.224, 321.452



53, 117.483, 321.309



54, 87.453, 345.962



47, 8.158, 319.835



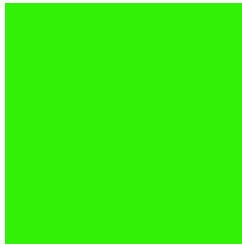
38, 91.748, 321.439



8, 39.918, 322.336

Previews

White Background



This preview shows how the CIELCh color 84, 112.748, 134.946 looks on a white background.

Color Contrast Check

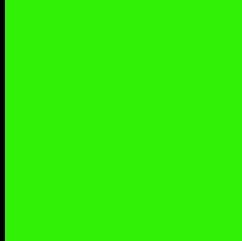
Large Text (above 18pt) WCAG AA × Fail

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, 112.748, 134.946 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, 112.748, 134.946

Background



This preview shows how black text looks on a background with the CIELCh color 84, 112.748, 134.946.

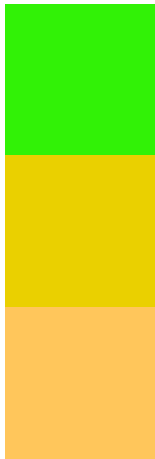


This preview shows how white text looks on a background with the CIELCh color 84, 112.748, 134.946.

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, 112.815, 134.922

Protanopia

83, 83.951, 95.024

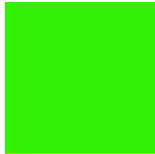
Deuteranopia

83, 60.663, 81.067



Tritanopia
84, 33.437, 214.055

Trichromacy



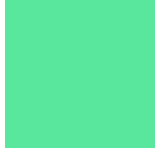
Original Color
84, 112.815, 134.922



Protanomaly
82, 89.785, 117.082

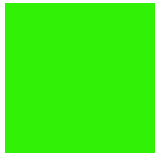


Deuteranomaly
81, 74.854, 114.809



Tritanomaly
83, 60.404, 155.638

Monochromacy



Original Color
84, 112.815, 134.922



Achromatopsia
65, 0.008, 296.813



Achromatomaly
70, 53.241, 136.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 112.748, 134.946 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(49, 242, 6)` looks like.

```
.text, #text, p{  
    color:rgb(49, 242, 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(49, 242, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 242, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 112.748, 134.946 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(49, 242, 6) }
```

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

```
.border{ border-color:rgb(49, 242, 6) }
```

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

Here you see how a box with a 4 pixel rgb(49, 242, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 242, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 242, 6);  
box-shadow:4px 4px 4px 4px rgb(49, 242, 6)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 84, 112.748, 134.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 242, 6) }
```

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

```
.background{ background-color: rgb(49, 242,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor