

Converting Colors

CIELCh(84, 98.087, 132.897)

Have a look what the booklet for
CIELCh(84, 98.087, 132.897)
contains.

CIELCh(84, 98.310, 132.827)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(84, 98.310, 132.827)

Conversions

Conversions Part 1

Format	Color
Hex	68EE35
RGB	104, 238, 53
RGB Percent	41%, 93%, 21%
CMY	0.5941, 0.0683, 0.7941
CMYK	0.56, 0.00, 0.78, 0.07
HSL	103°, 84%, 57%
HSV	103°, 78%, 93%
XYZ	36.7337, 64.0658, 13.7383
YIQ	176.8440, -20.4790, -85.9430

Conversions

Conversions Part 2

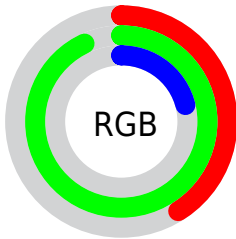
Format	Color
RYB	53, 238, 187
Decimal	6876725
CIELab	84.00, -66.83, 72.10
CIElCh	84, 98.310, 132.827
Yxy	64.0658, 0.3207, 0.5593
Android (android.graphics.Color)	4285066805 (0xFF68EE35)
YUV	176.8440, -61.0551, -63.8842
Hunter-Lab	80.0411, -58.1519, 45.8522

Details

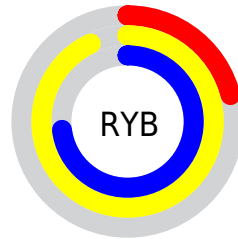
The CIELCh color **84, 98.310, 132.827** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **51, 101.892, 318.968**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 77.140, 130.508**, and **64, 91.965, 135.513** is the 20% darker color. If you saturate the color by 10%, you get **83, 105.241, 133.019**, and if you desaturate by 10%, it is **85, 88.971, 133.010**.

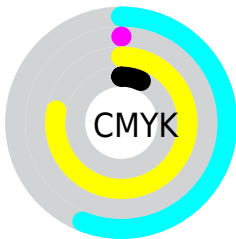
Distribution



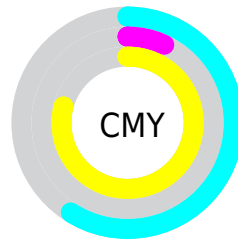
- Red (41%)
- Green (93%)
- Blue (21%)



- Red (21%)
- Yellow (93%)
- Blue (73%)



- Cyan (56%)
- Magenta (0%)
- Yellow (78%)
- Black (7%)



- Cyan (59%)
- Magenta (7%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 98.310, 132.827 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, 98.310, 132.827 by changing the saturation by 10% instead.

 84, 98.310,
132.827

 84, 98.310,
132.827

 100, 98.310,
132.827

 74, 98.310,
132.827

 64, 98.310,
132.827

 54, 98.310,
132.827

 44, 98.310,
132.827

 34, 98.310,
132.827

 24, 98.310,
132.827

 14, 98.310,

132.827

■ 4, 98.310, 132.827

■ 0, 98.310, 132.827

■ 84, 98.310,
132.827

■ 84, 98.310,
132.827

■ 83, 105.241,
133.019

■ 85, 88.971,
133.010

■ 83, 109.503,
133.633

■ 86, 77.811,
133.434


■ 83, 110.202,
133.765


■ 87, 65.405,
133.982

■ 88, 52.214,
134.569


■ 89, 38.577,

135.145

 91, 24.737,
135.683

 93, 10.873,
136.177

 94, 2.891, 316.512

 96, 10.869,
324.791

Harmonies

Complementary

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



84, 98.310, 132.827



51, 101.892, 318.968

Rectangle

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



84, 98.310, 132.827



84, 98.310, 182.827



84, 98.310, 312.827



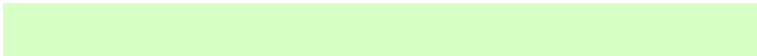
84, 98.310, 2.827

Sweetspot

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



84, 98.310, 132.828



96, 33.691, 135.409



78, 69.846, 84.288



51, 23.317, 135.211



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, 98.310, 132.828



89, 113.811, 133.311



83, 92.085, 142.352



49, 7.886, 136.101



66, 90.624, 133.571



20, 37.405, 133.208

Inverse Universe

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



51, 101.892, 318.968



50, 117.223, 318.423



57, 87.439, 336.926



47, 7.946, 316.886



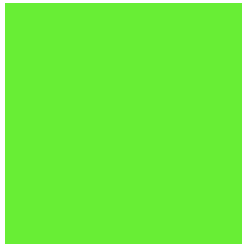
35, 93.150, 318.150



7, 40.102, 319.275

Previews

White Background



This preview shows how the CIE LCh color 84, 98.310, 132.827 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, 98.310, 132.827 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

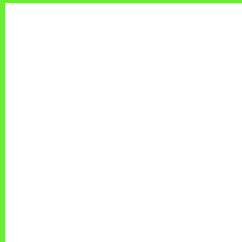
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 98.310, 132.827

Background



This preview shows how black text looks on a background with the CIELCh color 84, 98.310, 132.827.

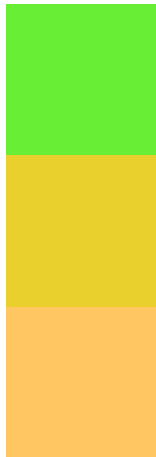


This preview shows how white text looks on a background with the CIELCh color 84, 98.310, 132.827.

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, 98.310, 132.827

Protanopia

83, 76.736, 94.942

Deuteranopia

83, 58.105, 80.298



Tritanopia
84, 26.611, 218.946

Trichromacy



Original Color
84, 98.310, 132.827



Protanomaly
83, 80.029, 113.168



Deuteranomaly
82, 64.944, 108.978

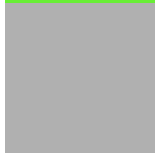


Tritanomaly
83, 46.019, 156.610

Monochromacy



Original Color
84, 98.310, 132.827



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 40.199, 134.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 98.310, 132.827 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(104, 238, 53)` looks like.

```
.text, #text, p{  
    color:rgb(104, 238, 53)  
}
```

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(104, 238, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 238, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 98.310, 132.827 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(104, 238, 53) }
```

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

```
.border{ border-color:rgb(104, 238, 53) }
```

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

Here you see how a box with a 4 pixel rgb(104, 238, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 238, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 238, 53);  
box-shadow:4px 4px 4px 4px rgb(104, 238,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 98.310, 132.827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 238, 53) }
```

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

```
.background{ background-color: rgb(104,  
238, 53) }
```

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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