

Converting Colors

CIELCh(84, 91.637, 116.069)

Have a look what the booklet for
CIELCh(84, 91.637, 116.069)
contains.

CIELCh(84, 91.710, 116.200)	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, 91.710, 116.200)

Conversions

Conversions Part 1

Format	Color
Hex	B0E300
RGB	176, 227, 0
RGB Percent	69%, 89%, 0%
CMY	0.3104, 0.1104, 1.0000
CMYK	0.22, 0.00, 1.00, 0.11
HSL	73°, 100%, 44%
HSV	73°, 100%, 89%
XYZ	45.2937, 64.0658, 9.9638
YIQ	185.8730, 42.4710, -81.4090

Conversions

Conversions Part 2

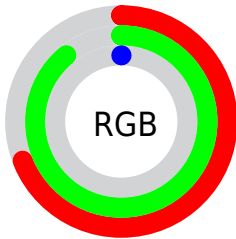
Format	Color
RYB	0, 227, 51
Decimal	11592448
CIELab	84.00, -40.49, 82.29
CIELCh	84, 91.710, 116.200
Yxy	64.0658, 0.3796, 0.5369
Android (android.graphics.Color)	4289782528 (0xFFB0E300)
YUV	185.8730, -91.6354, -8.6586
Hunter-Lab	80.0411, -39.0621, 48.6482

Details

The CIELCh color **84, 91.710, 116.200** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **30, 120.425, 307.386**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 78.670, 109.883**, and **64, 76.090, 120.549** is the 20% darker color. If you saturate the color by 10%, you get **84, 91.670, 116.210**, and if you desaturate by 10%, it is **84, 88.961, 115.431**.

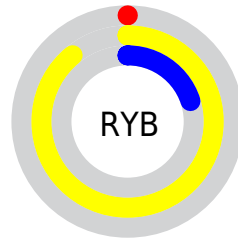
Distribution



Red (69%)

Green (89%)

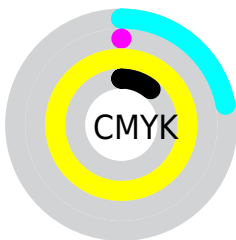
Blue (0%)



Red (0%)

Yellow (89%)

Blue (20%)

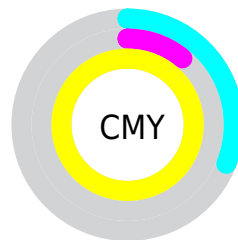


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (31%)


Magenta (11%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 91.710, 116.200 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, 91.710, 116.200 by changing the saturation by 10% instead.


 84, 91.710,
116.200

 84, 91.710,
116.200


 100, 91.710,
116.200


 74, 91.710,
116.200

 64, 91.710,
116.200

 54, 91.710,
116.200

 44, 91.710,
116.200

 34, 91.710,
116.200

 24, 91.710,
116.200

 14, 91.710,

116.200

■ 4, 91.710, 116.200

■ 0, 91.710, 116.200

■ 84, 91.710,
116.200

■ 84, 91.710,
116.200

■ 84, 91.670,
116.210

■ 84, 88.961,
115.431

■ 85, 84.063,
115.035

■ 85, 76.902,
115.021

■ 86, 67.980,
115.293

■ 86, 57.836,

115.755

■ 87, 46.902,
116.333

■ 88, 35.479,
116.972

■ 88, 23.771,
117.637

■ 89, 11.911,
118.302

Harmonies

Complementary

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



84, 91.710, 116.200



30, 120.425, 307.386

Rectangle

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



84, 91.710, 116.200



84, 91.710, 166.200



84, 91.710, 296.200



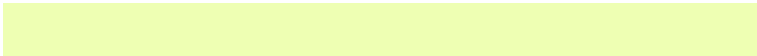
84, 91.710, 346.200

Sweetspot

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



84, 91.670, 116.210



97, 39.005, 116.960



50, 90.598, 43.699



52, 26.527, 116.684



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, 91.670, 116.210



93, 100.182, 116.289



80, 106.218, 133.607



47, 6.704, 118.339



67, 75.740, 116.009



18, 28.571, 116.066

Inverse Universe

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



30, 120.425, 307.386



34, 131.644, 307.340



43, 109.357, 317.775



43, 6.841, 299.592



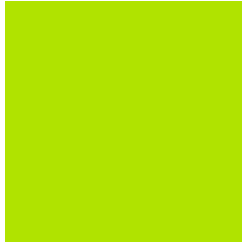
22, 99.419, 307.508



3, 32.074, 301.246

Previews

White Background



This preview shows how the CIELCh color 84, 91.710, 116.200 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, 91.710, 116.200 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, 91.710, 116.200

Background



This preview shows how black text looks on a background with the CIELCh color 84, 91.710, 116.200.

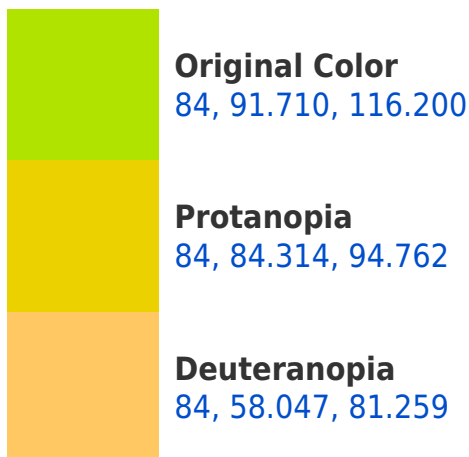


This preview shows how white text looks on a background with the CIELCh color 84, 91.710, 116.200.

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](#).

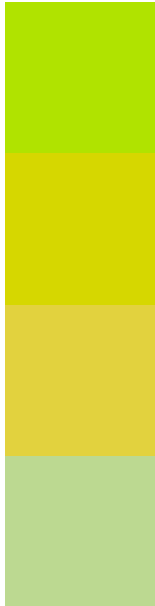
Dichromacy





Tritanopia
84, 10.396, 259.074

Trichromacy



Original Color
84, 91.710, 116.200

Protanomaly
83, 85.204, 103.144

Deuteranomaly
83, 71.566, 98.341

Tritanomaly
83, 39.018, 123.923

Monochromacy



Original Color
84, 91.710, 116.200

Achromatopsia
76, 0.009, 296.813

Achromatomaly
78, 43.864, 116.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 91.710, 116.200 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(176, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 227, 0)  
}
```

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(176, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 227, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 91.710, 116.200 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(176, 227, 0) }
```

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

```
.border{ border-color:rgb(176, 227, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 227, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 227,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 91.710, 116.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 227, 0) }
```

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

```
.background{ background-color: rgb(176,  
227, 0) }
```

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