

Converting Colors

CIELCh(86, 93.501, 116.137)

Have a look what the booklet for
CIELCh(86, 93.501, 116.137)
contains.

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Color

CIELCh(86, 93.504, 116.138)

Conversions

Conversions Part 1

Format	Color
Hex	B5E900
RGB	181, 233, 0
RGB Percent	71%, 91%, 0%
CMY	0.2909, 0.0869, 1.0000
CMYK	0.22, 0.00, 1.00, 0.09
HSL	73°, 100%, 46%
HSV	73°, 100%, 91%
XYZ	48.1054, 67.9871, 10.5707
YIQ	190.8900, 43.8010, -83.4870

Conversions

Conversions Part 2

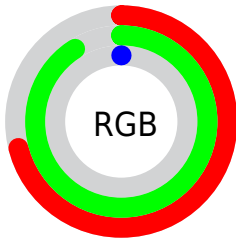
Format	Color
RYB	0, 233, 52
Decimal	11921664
CIELab	86.00, -41.19, 83.94
CIELCh	86, 93.504, 116.138
Yxy	67.9871, 0.3798, 0.5368
Android (android.graphics.Color)	4290111744 (0xFFB5E900)
YUV	190.8900, -94.1088, -8.6735
Hunter-Lab	82.4543, -40.1547, 50.1170

Details

The CIELCh color **86, 93.504, 116.138** 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 **31, 122.857, 307.362**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 78.110, 108.454**, and **66, 77.955, 120.348** is the 20% darker color. If you saturate the color by 10%, you get **86, 93.461, 116.149**, and if you desaturate by 10%, it is **86, 90.746, 115.365**.

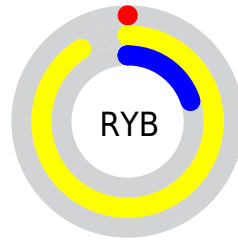
Distribution



Red (71%)

Green (91%)

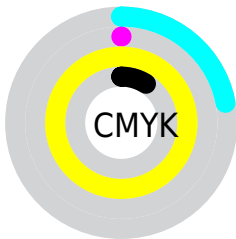
Blue (0%)



Red (0%)

Yellow (91%)

Blue (20%)

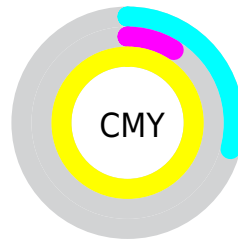


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (29%)


Magenta (9%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 93.504, 116.138 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 86, 93.504, 116.138 by changing the saturation by 10% instead.


 86, 93.504,
116.138


 86, 93.504,
116.138


 100, 93.504,
116.138


 76, 93.504,
116.138

 66, 93.504,
116.138

 56, 93.504,
116.138

 46, 93.504,
116.138

 36, 93.504,
116.138

 26, 93.504,
116.138

 16, 93.504,

116.138

■ 6, 93.504, 116.138

■ 0, 93.504, 116.138

■ 86, 93.504,
116.138

■ 86, 93.504,
116.138

■ 86, 93.461,
116.149

■ 86, 90.746,
115.365

■ 87, 85.780,
114.966

■ 87, 78.494,
114.951

■ 88, 69.400,
115.223

■ 88, 59.052,

115.687

■ 89, 47.891,
116.266

■ 90, 36.229,
116.908

■ 90, 24.274,
117.575

■ 91, 12.163,
118.243

Harmonies

Complementary

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



86, 93.504, 116.138



31, 122.857, 307.362

Rectangle

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



86, 93.504, 116.138



86, 93.504, 166.138



86, 93.504, 296.138



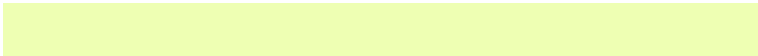
86, 93.504, 346.138

Sweetspot

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



86, 93.461, 116.149



97, 38.997, 116.898



51, 92.442, 43.661



52, 26.521, 116.621



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 93.461, 116.149



93, 100.143, 116.209



81, 108.350, 133.625



49, 6.952, 118.278



69, 77.342, 115.955



20, 31.328, 115.443

Inverse Universe

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



31, 122.857, 307.362



34, 131.669, 307.327



44, 111.535, 317.761



45, 7.096, 299.540



23, 101.592, 307.478



3, 36.323, 303.024

Previews

White Background



This preview shows how the CIELCh color 86, 93.504, 116.138 looks on a white background.

Color Contrast Check

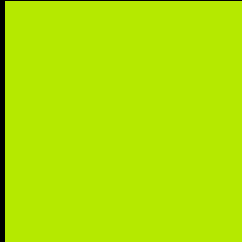
Large Text (above 18pt) WCAG AA × Fail

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 86, 93.504, 116.138 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 86, 93.504, 116.138

Background



This preview shows how black text looks on a background with the CIELCh color 86, 93.504, 116.138.

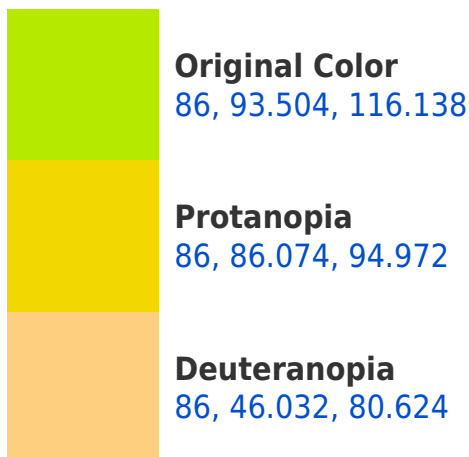


This preview shows how white text looks on a background with the CIELCh color 86, 93.504, 116.138.

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](#).

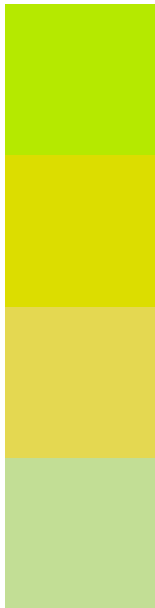
Dichromacy





Tritanopia
86, 10.640, 262.175

Trichromacy



Original Color
86, 93.504, 116.138

Protanomaly
85, 86.985, 103.136

Deuteranomaly
85, 66.575, 100.019

Tritanomaly
85, 39.231, 123.198

Monochromacy



Original Color
86, 93.504, 116.138

Achromatopsia
77, 0.009, 296.813

Achromatomaly
80, 44.194, 116.357

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 93.504, 116.138 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(181, 233, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 233, 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(181, 233, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 233, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 93.504, 116.138 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(181, 233, 0) }
```

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

```
.border{ border-color:rgb(181, 233, 0) }
```

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

Here you see how a box with a 4 pixel rgb(181, 233, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 233, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 233, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 233,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 93.504, 116.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 233, 0) }
```

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

```
.background{ background-color: rgb(181,  
233, 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](#).

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