

Converting Colors

CIELCh(86, 91.728, 116.578)

Have a look what the booklet for
CIELCh(86, 91.728, 116.578)
contains.

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Color

CIELCh(86, 91.748, 116.510)

Conversions

Conversions Part 1

Format	Color
Hex	B5E913
RGB	181, 233, 19
RGB Percent	71%, 91%, 7%
CMY	0.2912, 0.0872, 0.9237
CMYK	0.22, 0.00, 0.92, 0.09
HSL	75°, 85%, 49%
HSV	75°, 92%, 91%
XYZ	48.1922, 67.9871, 11.2185
YIQ	193.0560, 37.7020, -77.5780

Conversions

Conversions Part 2

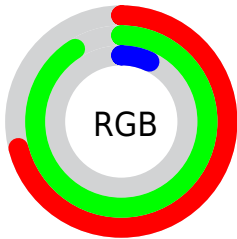
Format	Color
RYB	19, 233, 71
Decimal	11921683
CIELab	86.00, -40.95, 82.10
CIELCh	86, 91.748, 116.510
Yxy	67.9871, 0.3783, 0.5337
Android (android.graphics.Color)	4290111763 (0xFFB5E913)
YUV	193.0560, -85.8096, -10.5731
Hunter-Lab	82.4543, -39.9667, 49.6512

Details

The CIELCh color **86, 91.748, 116.510** 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 **33, 117.910, 307.584**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 76.225, 108.689**, and **66, 77.955, 120.348** is the 20% darker color. If you saturate the color by 10%, you get **86, 93.956, 117.240**, and if you desaturate by 10%, it is **86, 87.119, 115.992**.

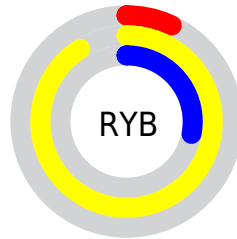
Distribution



Red (71%)

Green (91%)

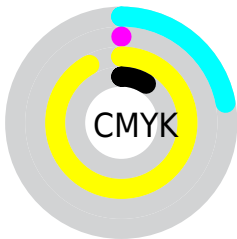
Blue (7%)



Red (7%)

Yellow (91%)

Blue (28%)

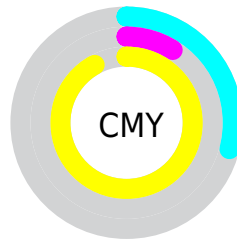


Cyan (22%)

Magenta (0%)

Yellow (92%)

Black (9%)



Cyan (29%)


Magenta (9%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 91.748, 116.510 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, 91.748, 116.510 by changing the saturation by 10% instead.


 86, 91.748,
116.510


 86, 91.748,
116.510


 100, 91.748,
116.510


 76, 91.748,
116.510

 66, 91.748,
116.510

 56, 91.748,
116.510

 46, 91.748,
116.510

 36, 91.748,
116.510

 26, 91.748,
116.510

 16, 91.748,

116.510

■ 6, 91.748, 116.510

■ 0, 91.748, 116.510

■ 86, 91.748,
116.510

■ 86, 91.748,
116.510

■ 86, 93.956,
117.240

■ 86, 87.119,
115.992

■ 87, 80.119,
115.882

■ 87, 71.227,
116.084

■ 88, 61.002,
116.498

■ 89, 49.907,

117.040

■ 89, 38.271,
117.653

■ 90, 26.317,
118.296

■ 91, 14.192,
118.943

■ 92, 1.995, 119.588

Harmonies

Complementary

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



86, 91.748, 116.510



33, 117.910, 307.584

Rectangle

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



86, 91.748, 116.510



86, 91.748, 166.510



86, 91.748, 296.510



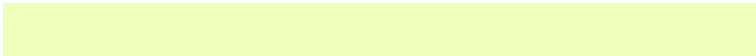
86, 91.748, 346.510

Sweetspot

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



86, 91.748, 116.512



97, 35.262, 117.941



54, 85.657, 44.604



52, 23.711, 117.721



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, 91.748, 116.512



93, 100.702, 117.304



82, 105.664, 133.365



49, 6.970, 119.082



68, 77.759, 117.035



20, 31.460, 116.455

Inverse Universe

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



33, 117.910, 307.584



34, 131.302, 307.520



46, 108.587, 318.809



45, 7.111, 300.298



23, 101.298, 307.682



3, 36.401, 303.562

Previews

White Background



This preview shows how the CIELCh color 86, 91.748, 116.510 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 86, 91.748, 116.510 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, 91.748, 116.510

Background



This preview shows how black text looks on a background with the CIELCh color 86, 91.748, 116.510.



This preview shows how white text looks on a background with the CIELCh color 86, 91.748, 116.510.

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
86, 91.867, 116.485

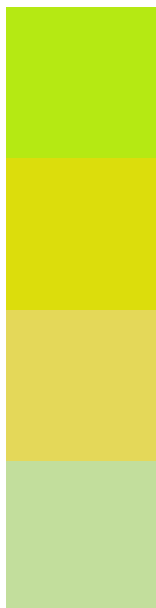
Protanopia
86, 85.389, 94.968

Deuteranopia
86, 46.032, 80.624



Tritanopia
86, 10.640, 262.175

Trichromacy



Original Color
86, 91.867, 116.485

Protanomaly
85, 85.971, 103.219

Deuteranomaly
85, 63.288, 100.090

Tritanomaly
85, 35.850, 124.909

Monochromacy



Original Color
86, 91.867, 116.485

Achromatopsia
78, 0.009, 296.813

Achromatomaly
80, 40.665, 116.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 91.748, 116.510 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, 19)` looks like.

```
.text, #text, p{  
    color:rgb(181, 233, 19)  
}
```

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, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 233, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 91.748, 116.510 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, 19) }
```

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

```
.border{ border-color:rgb(181, 233, 19) }
```

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, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 233, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 233, 19);  
box-shadow:4px 4px 4px 4px rgb(181, 233,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 91.748, 116.510 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, 19) }
```

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

```
.background{ background-color: rgb(181,  
233, 19) }
```

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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