

Converting Colors

CIELCh(83, 86.844, 114.788)

Have a look what the booklet for
CIELCh(83, 86.844, 114.788)
contains.

CIELCh(83, 86.783, 114.760)	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(83, 86.783, 114.760)

Conversions

Conversions Part 1

Format	Color
Hex	B4DE19
RGB	180, 222, 25
RGB Percent	71%, 87%, 10%
CMY	0.2932, 0.1285, 0.9002
CMYK	0.19, 0.00, 0.89, 0.13
HSL	73°, 79%, 49%
HSV	73°, 89%, 87%
XYZ	45.2360, 62.1629, 10.5584
YIQ	186.9840, 38.2050, -70.1710

Conversions

Conversions Part 2

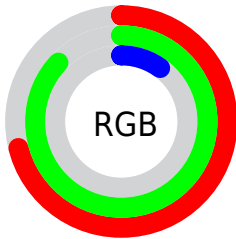
Format	Color
R _Y B	25, 222, 67
Decimal	11853337
CIE Lab	83.00, -36.35, 78.81
CIE LCh	83, 86.783, 114.760
Yxy	62.1629, 0.3835, 0.5270
Android (android.graphics.Color)	4290043417 (0xFFB4DE19)
YUV	186.9840, -79.8581, -6.1250
Hunter-Lab	78.8435, -35.5628, 47.2506

Details

The CIELCh color **83, 86.783, 114.760** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **32, 111.884, 307.109**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 76.260, 108.993**, and **63, 73.737, 118.267** is the 20% darker color. If you saturate the color by 10%, you get **83, 89.648, 115.462**, and if you desaturate by 10%, it is **83, 81.636, 114.458**.

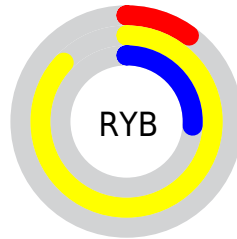
Distribution



Red (71%)

Green (87%)

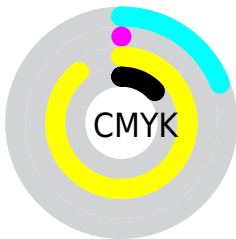
Blue (10%)



Red (10%)

Yellow (87%)

Blue (26%)

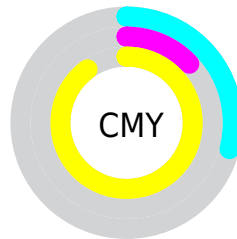


Cyan (19%)

Magenta (0%)

Yellow (89%)

Black (13%)



Cyan (29%)


Magenta (13%)


Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 86.783, 114.760 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 83, 86.783, 114.760 by changing the saturation by 10% instead.


 83, 86.783,
114.760


 83, 86.783,
114.760


 100, 86.783,
114.760


 73, 86.783,
114.760

 63, 86.783,
114.760

 53, 86.783,
114.760

 43, 86.783,
114.760

 33, 86.783,
114.760

 23, 86.783,
114.760

 13, 86.783,

114.760

■ 3, 86.783, 114.760

■ 0, 86.783, 114.760

■ 83, 86.783,
114.760

■ 83, 86.783,
114.760

■ 83, 89.648,
115.462

■ 83, 81.636,
114.458

■ 83, 89.986,
115.575

■ 84, 74.324,
114.515

■ 84, 65.363,
114.837

■ 85, 55.271,
115.335

■ 85, 44.452,

115.937

■ 86, 33.188,
116.594

■ 87, 21.664,
117.271

■ 88, 10.005,
117.947

■ 89, 1.707, 298.593

Harmonies

Complementary

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



83, 86.783, 114.760



32, 111.884, 307.109

Rectangle

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



83, 86.783, 114.760



83, 86.783, 164.760



83, 86.783, 294.760



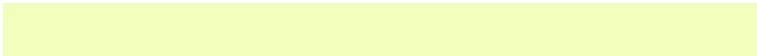
83, 86.783, 344.760

Sweetspot

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



83, 86.783, 114.762



97, 35.116, 116.684



51, 81.198, 43.061



52, 23.611, 116.453



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 86.783, 114.762



93, 99.883, 115.664



79, 99.643, 132.532



47, 6.695, 117.887



67, 75.522, 115.396



18, 28.506, 115.486

Inverse Universe

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



32, 111.884, 307.109



34, 131.838, 307.240



44, 103.842, 317.924



43, 6.834, 299.167



22, 99.573, 307.401



3, 32.043, 300.965

Previews

White Background



This preview shows how the CIELCh color 83, 86.783, 114.760 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 83, 86.783, 114.760 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 83, 86.783, 114.760

Background



This preview shows how black text looks on a background with the CIELCh color 83, 86.783, 114.760.

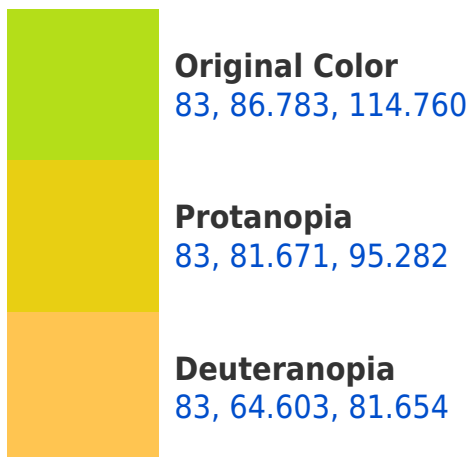


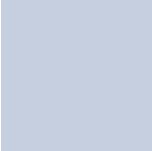
This preview shows how white text looks on a background with the CIELCh color 83, 86.783, 114.760.

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](#).

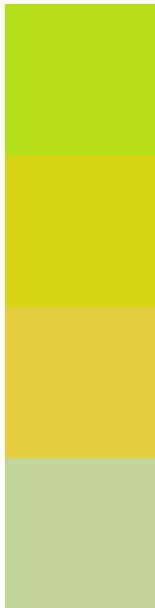
Dichromacy





Tritanopia
83, 8.959, 270.471

Trichromacy



Original Color
83, 86.783, 114.760

Protanomaly
83, 82.449, 103.027

Deuteranomaly
82, 70.790, 96.130

Tritanomaly
82, 33.347, 121.653

Monochromacy



Original Color
83, 86.783, 114.760

Achromatopsia
76, 0.009, 296.813

Achromatomaly
78, 38.179, 115.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 86.783, 114.760 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(180, 222, 25)` looks like.

```
.text, #text, p{  
    color:rgb(180, 222, 25)  
}
```

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(180, 222, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 222, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 86.783, 114.760 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(180, 222, 25) }
```

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

```
.border{ border-color:rgb(180, 222, 25) }
```

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

Here you see how a box with a 4 pixel rgb(180, 222, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 222, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 222, 25);  
box-shadow:4px 4px 4px 4px rgb(180, 222,  
25) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 86.783, 114.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 222, 25) }
```

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

```
.background{ background-color: rgb(180,  
222, 25) }
```

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