

Converting Colors

CIELCh(84, 87.876, 115.708)

Have a look what the booklet for
CIELCh(84, 87.876, 115.708)
contains.

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Color

CIELCh(84, 87.902, 115.670)

Conversions

Conversions Part 1

Format	Color
Hex	B4E21C
RGB	180, 226, 28
RGB Percent	71%, 89%, 11%
CMY	0.2948, 0.1144, 0.8913
CMYK	0.20, 0.00, 0.88, 0.11
HSL	74°, 78%, 50%
HSV	74°, 88%, 89%
XYZ	46.1383, 64.0658, 11.0139
YIQ	189.6740, 36.1420, -71.3300

Conversions

Conversions Part 2

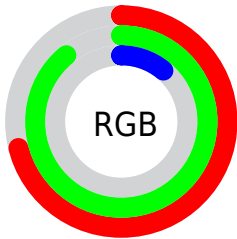
Format	Color
R _Y B	28, 226, 74
Decimal	11854364
CIE Lab	84.00, -38.08, 79.23
CIE LCh	84, 87.902, 115.670
Yxy	64.0658, 0.3806, 0.5285
Android (android.graphics.Color)	4290044444 (0xFFB4E21C)
YUV	189.6740, -79.7053, -8.4841
Hunter-Lab	80.0411, -37.1787, 47.8703

Details

The CIELCh color **84, 87.902, 115.670** 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 **33, 112.360, 307.327**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 75.489, 109.093**, and **64, 75.421, 119.142** is the 20% darker color. If you saturate the color by 10%, you get **84, 90.994, 116.410**, and if you desaturate by 10%, it is **84, 82.448, 115.354**.

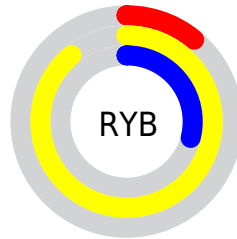
Distribution



Red (71%)

Green (89%)

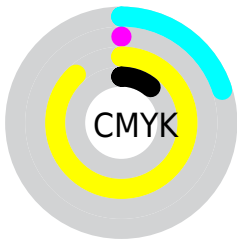
Blue (11%)



Red (11%)

Yellow (89%)

Blue (29%)

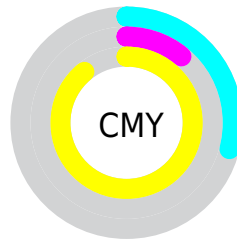


Cyan (20%)

Magenta (0%)

Yellow (88%)

Black (11%)



Cyan (29%)

Magenta (11%)

Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 87.902, 115.670 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, 87.902, 115.670 by changing the saturation by 10% instead.

 84, 87.902,
115.670

 84, 87.902,
115.670


 100, 87.902,
115.670

 74, 87.902,
115.670

 64, 87.902,
115.670

 54, 87.902,
115.670

 44, 87.902,
115.670

 34, 87.902,
115.670

 24, 87.902,
115.670

 14, 87.902,

115.670

■ 4, 87.902, 115.670

■ 0, 87.902, 115.670

■ 84, 87.902,
115.670

■ 84, 87.902,
115.670

■ 84, 90.994,
116.410

■ 84, 82.448,
115.354

■ 84, 91.538,
116.603

■ 85, 74.840,
115.401

■ 85, 65.609,
115.715

■ 86, 55.272,
116.200

■ 87, 44.229,

116.788

■ 87, 32.754,
117.427

■ 88, 21.031,
118.086

■ 89, 9.182, 118.741

■ 90, 2.712, 299.364

Harmonies

Complementary

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



84, 87.902, 115.670



33, 112.360, 307.327

Rectangle

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



84, 87.902, 115.670



84, 87.902, 165.670



84, 87.902, 295.670



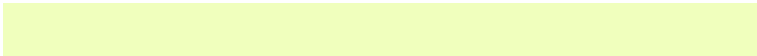
84, 87.902, 345.670

Sweetspot

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



84, 87.902, 115.672



97, 33.919, 117.529



53, 80.852, 43.799



52, 22.946, 117.302



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, 87.902, 115.672



93, 100.381, 116.686



80, 100.877, 132.846



47, 6.710, 118.629



67, 75.884, 116.400



18, 28.614, 116.437

Inverse Universe

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



33, 112.360, 307.327



34, 131.514, 307.408



45, 104.509, 318.471



43, 6.847, 299.865



22, 99.317, 307.580



3, 32.094, 301.431

Previews

White Background



This preview shows how the CIELCh color 84, 87.902, 115.670 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, 87.902, 115.670 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, 87.902, 115.670

Background



This preview shows how black text looks on a background with the CIELCh color 84, 87.902, 115.670.



This preview shows how white text looks on a background with the CIELCh color 84, 87.902, 115.670.

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

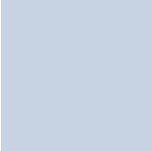
84, 87.902, 115.670

Protanopia

84, 81.927, 95.044

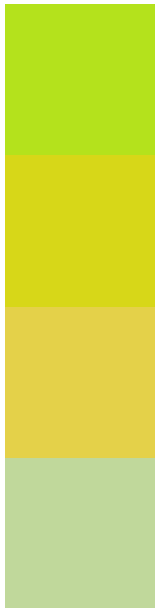
Deuteranopia

84, 57.614, 81.127



Tritanopia
84, 9.661, 267.789

Trichromacy



Original Color
84, 87.902, 115.670

Protanomaly
84, 82.623, 103.060

Deuteranomaly
83, 67.334, 97.257

Tritanomaly
83, 33.102, 123.822

Monochromacy



Original Color
84, 87.902, 115.670

Achromatopsia
77, 0.009, 296.813

Achromatomaly
79, 38.191, 116.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 87.902, 115.670 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, 226, 28)` looks like.

```
.text, #text, p{  
    color:rgb(180, 226, 28)  
}
```

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, 226, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 226, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 87.902, 115.670 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, 226, 28) }
```

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

```
.border{ border-color:rgb(180, 226, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 226, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 226, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 226, 28);  
box-shadow:4px 4px 4px 4px rgb(180, 226,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 87.902, 115.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 226, 28) }
```

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

```
.background{ background-color: rgb(180,  
226, 28) }
```

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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