

Converting Colors

CIELCh(85, 85.512, 117.023)

Have a look what the booklet for
CIELCh(85, 85.512, 117.023)
contains.

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Color

CIELCh(85, 85.416, 117.070)

Conversions

Conversions Part 1

Format	Color
Hex	B4E52E
RGB	180, 229, 46
RGB Percent	71%, 90%, 18%
CMY	0.2937, 0.1016, 0.8191
CMYK	0.21, 0.00, 0.80, 0.10
HSL	76°, 78%, 54%
HSV	76°, 80%, 90%
XYZ	47.3884, 66.0070, 12.8410
YIQ	193.4870, 29.5390, -67.3010

Conversions

Conversions Part 2

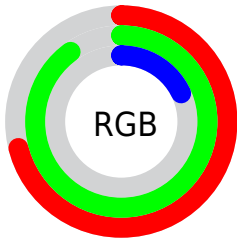
Format	Color
R_{YB}	46, 229, 95
Decimal	11855150
CIE Lab	85.00, -38.87, 76.06
CIE LCh	85, 85.416, 117.070
Yxy	66.0070, 0.3754, 0.5229
Android (android.graphics.Color)	4290045230 (0xFFB4E52E)
YUV	193.4870, -72.7111, -11.8281
Hunter-Lab	81.2447, -38.0628, 47.5003

Details

The CIELCh color **85, 85.416, 117.070** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **38, 105.437, 307.484**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 71.092, 109.684**, and **65, 76.265, 119.557** is the 20% darker color. If you saturate the color by 10%, you get **85, 90.531, 117.560**, and if you desaturate by 10%, it is **86, 78.041, 116.989**.

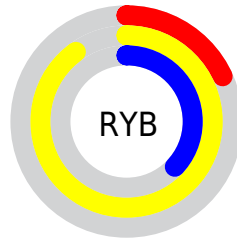
Distribution



Red (71%)

Green (90%)

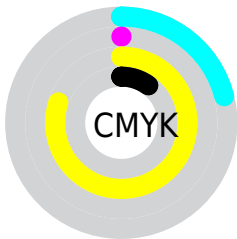
Blue (18%)



Red (18%)

Yellow (90%)

Blue (37%)

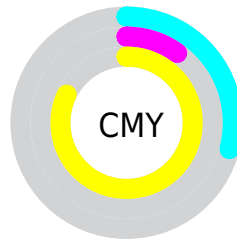


Cyan (21%)

Magenta (0%)

Yellow (80%)

Black (10%)



Cyan (29%)


Magenta (10%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 85.416, 117.070 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 85, 85.416, 117.070 by changing the saturation by 10% instead.


 85, 85.416,
117.070


 85, 85.416,
117.070


 100, 85.416,
117.070


 75, 85.416,
117.070

 65, 85.416,
117.070

 55, 85.416,
117.070

 45, 85.416,
117.070

 35, 85.416,
117.070

 25, 85.416,
117.070

 15, 85.416,

117.070

■ 5, 85.416, 117.070

■ 0, 85.416, 117.070

■ 85, 85.416,
117.070

■ 85, 85.416,
117.070

■ 85, 90.531,
117.560

■ 86, 78.041,
116.989

■ 84, 93.435,
118.460

■ 86, 68.911,
117.207

■ 84, 93.470,
118.473

■ 87, 58.568,
117.623

■ 87, 47.440,
118.158

■ 88, 35.830,

118.754

■ 89, 23.941,
119.375

■ 90, 11.908,
119.996

■ 91, 0.178, 300.366

■ 92, 12.253,
301.167

Harmonies

Complementary

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



85, 85.416, 117.070



38, 105.437, 307.484

Rectangle

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



85, 85.416, 117.070



85, 85.416, 167.070



85, 85.416, 297.070



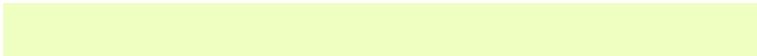
85, 85.416, 347.070

Sweetspot

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



85, 85.416, 117.072



98, 31.503, 119.108



57, 72.056, 46.416



52, 21.604, 118.886



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 85.416, 117.072



93, 100.399, 118.146



81, 98.087, 133.721



48, 6.867, 120.021



67, 77.455, 118.252



19, 30.256, 117.875

Inverse Universe

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



38, 105.437, 307.484



36, 128.841, 307.847



50, 100.285, 320.263



44, 7.003, 301.181



23, 99.860, 307.953



3, 34.341, 303.283

Previews

White Background



This preview shows how the CIELCh color 85, 85.416, 117.070 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 85, 85.416, 117.070 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 85, 85.416, 117.070

Background



This preview shows how black text looks on a background with the CIELCh color 85, 85.416, 117.070.

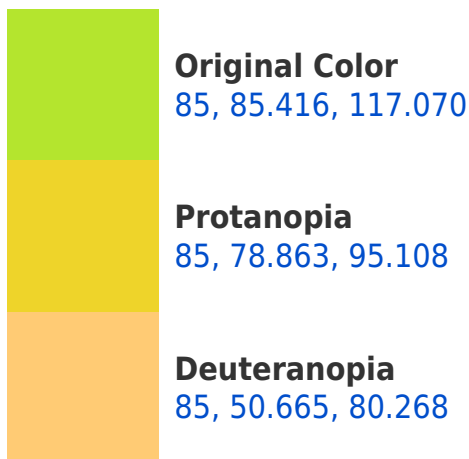


This preview shows how white text looks on a background with the CIELCh color 85, 85.416, 117.070.

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](#).

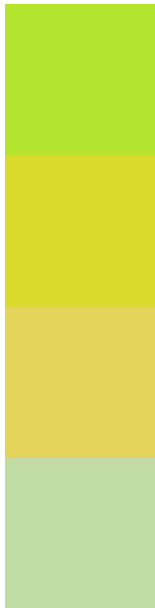
Dichromacy





Tritanopia
85, 10.057, 262.373

Trichromacy



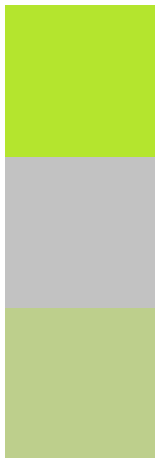
Original Color
85, 85.416, 117.070

Protanomaly
85, 79.446, 103.698

Deuteranomaly
84, 60.990, 98.433

Tritanomaly
84, 30.961, 127.248

Monochromacy



Original Color
85, 85.416, 117.070

Achromatopsia
78, 0.009, 296.813

Achromatomaly
80, 35.714, 118.648

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 85.416, 117.070 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, 229, 46)` looks like.

```
.text, #text, p{  
    color:rgb(180, 229, 46)  
}
```

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, 229, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 229, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 85.416, 117.070 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, 229, 46) }
```

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

```
.border{ border-color:rgb(180, 229, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 229, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 229, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 229, 46);  
box-shadow:4px 4px 4px 4px rgb(180, 229,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 85.416, 117.070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 229, 46) }
```

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

```
.background{ background-color: rgb(180,  
229, 46) }
```

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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