

Converting Colors

CIELCh(85, 64.779, 122.072)

Have a look what the booklet for
CIELCh(85, 64.779, 122.072)
contains.

CIELCh(85, 65.169, 122.219)	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(85, 65.169, 122.219)

Conversions

Conversions Part 1

Format	Color
Hex	B4E467
RGB	180, 228, 103
RGB Percent	71%, 89%, 40%
CMY	0.2950, 0.1068, 0.5969
CMYK	0.21, 0.00, 0.55, 0.11
HSL	83°, 70%, 65%
HSV	83°, 55%, 89%
XYZ	48.8832, 66.0070, 22.9379
YIQ	199.3980, 11.5170, -49.0510

Conversions

Conversions Part 2

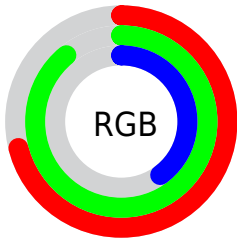
Format	Color
RYB	103, 228, 151
Decimal	11854951
CIELab	85.00, -34.75, 55.13
CIELCh	85, 65.169, 122.219
Yxy	66.0070, 0.3547, 0.4789
Android (android.graphics.Color)	4290045031 (0xFFB4E467)
YUV	199.3980, -47.5242, -17.0120
Hunter-Lab	81.2447, -34.7786, 40.1319

Details

The CIELCh color **85, 65.169, 122.219** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **54, 72.609, 308.454**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 49.288, 114.199**, and **65, 65.065, 122.197** is the 20% darker color. If you saturate the color by 10%, you get **84, 75.290, 121.978**, and if you desaturate by 10%, it is **86, 54.098, 122.623**.

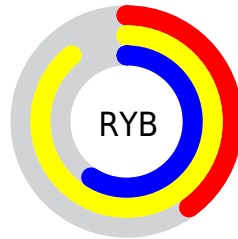
Distribution



Red (71%)

Green (89%)

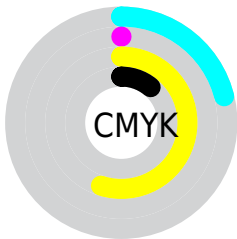
Blue (40%)



Red (40%)

Yellow (89%)

Blue (59%)

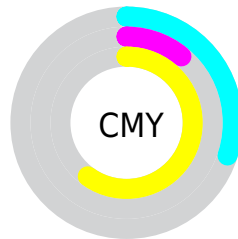


Cyan (21%)

Magenta (0%)

Yellow (55%)

Black (11%)



Cyan (30%)


Magenta (11%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 65.169, 122.219 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, 65.169, 122.219 by changing the saturation by 10% instead.


 85, 65.169,
122.219


 85, 65.169,
122.219


 100, 65.169,
122.219


 75, 65.169,
122.219

 65, 65.169,
122.219

 55, 65.169,
122.219

 45, 65.169,
122.219

 35, 65.169,
122.219

 25, 65.169,
122.219

 15, 65.169,

122.219

■ 5, 65.169, 122.219

■ 0, 65.169, 122.219

■ 85, 65.169,
122.219

■ 85, 65.169,
122.219

■ 84, 75.290,
121.978

■ 86, 54.098,
122.623

■ 84, 83.973,
122.001

■ 87, 42.432,
123.112

■ 83, 90.676,
122.413

■ 88, 30.418,
123.637

■ 83, 95.020,
123.311

■ 89, 18.225,
124.169

■ 82, 96.568,

■ 90, 5.965, 124.693

123.902

■ 91, 6.282, 305.154

■ 92, 14.879,
309.059

■ 93, 16.077,
319.489

■ 93, 17.022,
325.014

Harmonies

Complementary

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



85, 65.169, 122.219



54, 72.609, 308.454

Rectangle

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



85, 65.169, 122.219



85, 65.169, 172.219



85, 65.169, 302.219



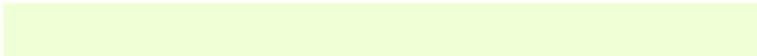
85, 65.169, 352.219

Sweetspot

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



85, 65.170, 122.221



98, 21.482, 124.104



69, 44.062, 56.957



52, 14.500, 123.994



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, 65.170, 122.221



93, 83.570, 121.962



82, 75.068, 137.473



48, 7.001, 124.453



66, 80.313, 123.645



19, 31.192, 123.116

Inverse Universe

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



54, 72.609, 308.454



53, 95.747, 309.220



61, 75.543, 323.667



44, 7.120, 305.405



25, 97.793, 309.614



3, 34.924, 306.973

Previews

White Background



This preview shows how the CIELCh color 85, 65.169, 122.219 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, 65.169, 122.219 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, 65.169, 122.219

Background



This preview shows how black text looks on a background with the CIELCh color 85, 65.169, 122.219.

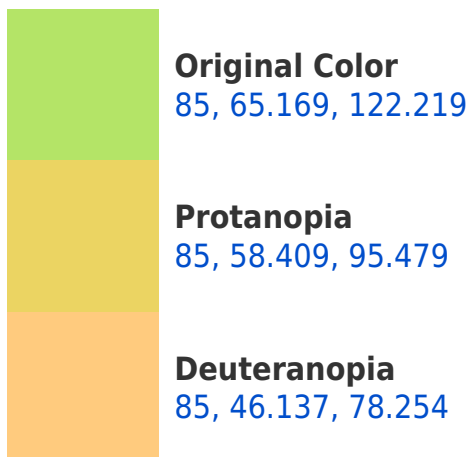


This preview shows how white text looks on a background with the CIELCh color 85, 65.169, 122.219.

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



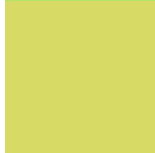


Tritanopia
85, 10.723, 255.952

Trichromacy



Original Color
85, 65.169, 122.219



Protanomaly
85, 59.108, 106.306



Deuteranomaly
84, 48.657, 98.049

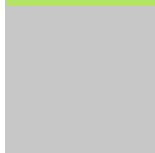


Tritanomaly
85, 21.334, 138.871

Monochromacy



Original Color
85, 65.169, 122.219



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 24.546, 123.582

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 65.169, 122.219 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, 228, 103)` looks like.

```
.text, #text, p{  
    color:rgb(180, 228, 103)  
}
```

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, 228, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 228, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 65.169, 122.219 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, 228, 103) }
```

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

```
.border{ border-color:rgb(180, 228, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 228, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 228, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 228, 103);  
box-shadow:4px 4px 4px 4px rgb(180, 228,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 65.169, 122.219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 228, 103) }
```

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

```
.background{ background-color: rgb(180,  
228, 103) }
```

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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