

Converting Colors

CIELCh(85, 66.735, 118.639)

Have a look what the booklet for
CIELCh(85, 66.735, 118.639)
contains.

CIELCh(85, 66.685, 118.564)	3
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Color

CIELCh(85, 66.685, 118.564)

Conversions

Conversions Part 1

Format	Color
Hex	BBE25F
RGB	187, 226, 95
RGB Percent	73%, 89%, 37%
CMY	0.2654, 0.1124, 0.6262
CMYK	0.17, 0.00, 0.58, 0.11
HSL	78°, 70%, 63%
HSV	78°, 58%, 89%
XYZ	49.9379, 66.0070, 21.0088
YIQ	199.4050, 18.8070, -49.0090

Conversions

Conversions Part 2

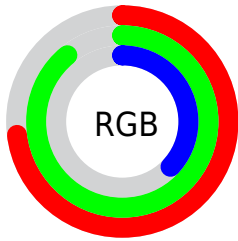
Format	Color
R_{YB}	95, 226, 134
Decimal	12313183
CIE Lab	85.00, -31.88, 58.57
CIE LCh	85, 66.685, 118.564
Yxy	66.0070, 0.3646, 0.4820
Android (android.graphics.Color)	4290503263 (0xFFBBE25F)
YUV	199.4050, -51.4717, -10.8792
Hunter-Lab	81.2447, -32.4614, 41.5397

Details

The CIELCh color **85, 66.685, 118.564** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **51, 76.261, 306.295**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 52.274, 110.529**, and **65, 66.925, 118.580** is the 20% darker color. If you saturate the color by 10%, you get **84, 76.098, 118.331**, and if you desaturate by 10%, it is **86, 56.177, 118.984**.

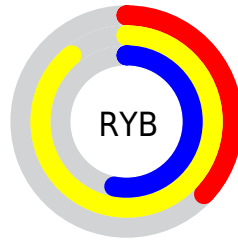
Distribution



Red (73%)

Green (89%)

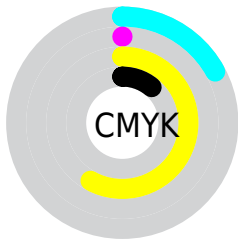
Blue (37%)



Red (37%)

Yellow (89%)

Blue (53%)

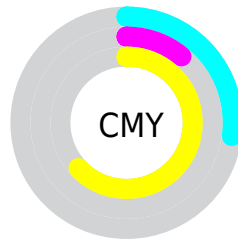


Cyan (17%)

Magenta (0%)

Yellow (58%)

Black (11%)



Cyan (27%)


Magenta (11%)


Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 66.685, 118.564 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, 66.685, 118.564 by changing the saturation by 10% instead.


 85, 66.685,
118.564


 85, 66.685,
118.564


 100, 66.685,
118.564


 75, 66.685,
118.564

 65, 66.685,
118.564

 55, 66.685,
118.564

 45, 66.685,
118.564

 35, 66.685,
118.564


 25, 66.685,
118.564


 15, 66.685,


118.564


 5, 66.685, 118.564

 0, 66.685, 118.564

 85, 66.685,
118.564


 85, 66.685,
118.564


 84, 76.098,
118.331


 86, 56.177,
118.984

 84, 83.897,
118.384

 86, 44.967,
119.508

 83, 89.556,
118.835

 87, 33.333,
120.085

 83, 92.883,
119.742

 88, 21.460,
120.679

 83, 93.447,

 89, 9.471, 121.270

119.955

■ 90, 2.549, 301.812

■ 91, 14.541,
302.368

■ 92, 15.785,
310.245

■ 92, 16.694,
317.909

Harmonies

Complementary

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



85, 66.685, 118.564



51, 76.261, 306.295

Rectangle

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



85, 66.685, 118.564



85, 66.685, 168.564



85, 66.685, 298.564



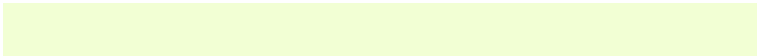
85, 66.685, 348.564

Sweetspot

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



85, 66.686, 118.566



98, 22.470, 120.725



65, 48.092, 47.408



52, 15.023, 120.605



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, 66.686, 118.566



94, 84.748, 118.318



82, 76.115, 134.951



47, 6.771, 121.179



66, 77.301, 119.715



18, 29.053, 119.615

Inverse Universe

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



51, 76.261, 306.295



49, 100.365, 307.323



58, 77.874, 320.642



43, 6.900, 302.275



23, 98.305, 308.328



3, 32.310, 303.227

Previews

White Background



This preview shows how the CIELCh color 85, 66.685, 118.564 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 85, 66.685, 118.564 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, 66.685, 118.564

Background



This preview shows how black text looks on a background with the CIELCh color 85, 66.685, 118.564.



This preview shows how white text looks on a background with the CIELCh color 85, 66.685, 118.564.

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

85, 66.685, 118.564

Protanopia

85, 61.462, 95.651

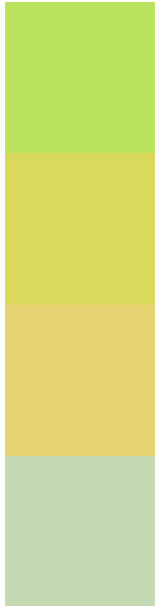
Deuteranopia

85, 47.044, 78.697



Tritanopia
85, 9.413, 271.636

Trichromacy



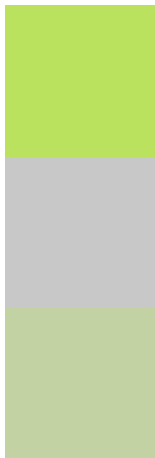
Original Color
85, 66.685, 118.564

Protanomaly
85, 61.744, 104.453

Deuteranomaly
84, 50.323, 96.678

Tritanomaly
84, 20.806, 129.723

Monochromacy



Original Color
85, 66.685, 118.564

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 25.832, 120.975

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 66.685, 118.564 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(187, 226, 95)` looks like.

```
.text, #text, p{  
    color:rgb(187, 226, 95)  
}
```

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(187, 226, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 226, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 66.685, 118.564 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(187, 226, 95) }
```

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

```
.border{ border-color:rgb(187, 226, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 226, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 226, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 226, 95);  
box-shadow:4px 4px 4px 4px rgb(187, 226,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 66.685, 118.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 226, 95) }
```

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

```
.background{ background-color: rgb(187,  
226, 95) }
```

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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