

Converting Colors

CIELCh(85, 45.751, 120.605)

Have a look what the booklet for
CIELCh(85, 45.751, 120.605)
contains.

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Color

CIELCh(85, 45.911, 120.433)

Conversions

Conversions Part 1

Format	Color
Hex	C3DF88
RGB	195, 223, 136
RGB Percent	76%, 87%, 53%
CMY	0.2361, 0.1263, 0.4674
CMYK	0.13, 0.00, 0.39, 0.13
HSL	79°, 57%, 70%
HSV	79°, 39%, 87%
XYZ	53.2112, 66.0070, 33.1547
YIQ	204.7100, 11.2390, -32.9930

Conversions

Conversions Part 2

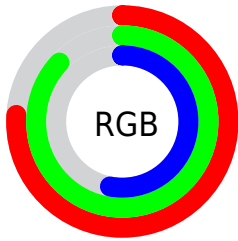
Format	Color
RYB	136, 223, 164
Decimal	12836744
CIELab	85.00, -23.26, 39.59
CIELCh	85, 45.911, 120.433
Yxy	66.0070, 0.3492, 0.4332
Android (android.graphics.Color)	4291026824 (0xFFC3DF88)
YUV	204.7100, -33.8740, -8.5157
Hunter-Lab	81.2447, -25.2697, 32.6760

Details

The CIELCh color **85, 45.911, 120.433** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **62, 49.715, 305.314**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 32.723, 109.024**, and **65, 45.809, 120.596** is the 20% darker color. If you saturate the color by 10%, you get **84, 56.983, 119.939**, and if you desaturate by 10%, it is **86, 34.402, 120.988**.

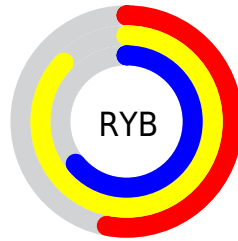
Distribution



Red (76%)

Green (87%)

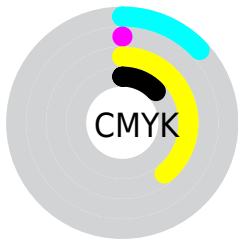
Blue (53%)



Red (53%)

Yellow (87%)

Blue (64%)

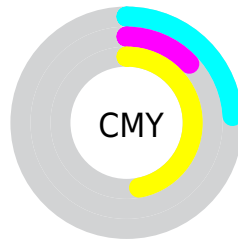


Cyan (13%)

Magenta (0%)

Yellow (39%)

Black (13%)



Cyan (24%)


Magenta (13%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 45.911, 120.433 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, 45.911, 120.433 by changing the saturation by 10% instead.


 85, 45.911,
120.433


 85, 45.911,
120.433


 100, 45.911,
120.433


 75, 45.911,
120.433

 65, 45.911,
120.433

 55, 45.911,
120.433

 45, 45.911,
120.433

 35, 45.911,
120.433

 25, 45.911,
120.433

 15, 45.911,

120.433

■ 5, 45.911, 120.433

■ 0, 45.911, 120.433

■ 85, 45.911,
120.433

■ 85, 45.911,
120.433

■ 84, 56.983,
119.939

■ 86, 34.402,
120.988

■ 84, 67.331,
119.556

■ 87, 22.643,
121.561

■ 83, 76.551,
119.370

■ 88, 10.764,
122.132

■ 82, 84.128,
119.488

■ 89, 1.148, 302.621

■ 82, 89.556,

■ 90, 13.032,
303.190

120.024

91, 17.584,
308.489

81, 92.777,
121.006

91, 18.465,
315.919

81, 93.042,
121.105

92, 19.626,
322.665

92, 20.153,
325.125

Harmonies

Complementary

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



85, 45.911, 120.433



62, 49.715, 305.314

Rectangle

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



85, 45.911, 120.433



85, 45.911, 170.433



85, 45.911, 300.433



85, 45.911, 350.433

Sweetspot

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



85, 45.913, 120.435



99, 15.935, 121.959



72, 29.468, 51.135



52, 10.569, 121.884



0, 0.000, 0.000



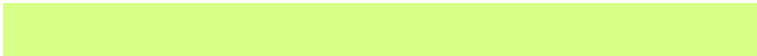
53, 0.007, 296.813

Same Dimension

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



85, 45.913, 120.435



95, 61.077, 120.016



82, 52.500, 137.078



47, 6.797, 122.109



66, 77.879, 120.869



18, 29.236, 120.737

Inverse Universe

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



62, 49.715, 305.314



65, 67.529, 306.024



67, 53.292, 321.037



43, 6.923, 303.160



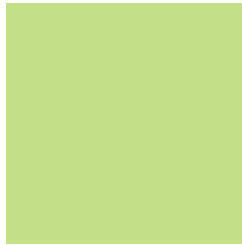
24, 97.889, 308.656



3, 32.409, 303.962

Previews

White Background



This preview shows how the CIELCh color 85, 45.911, 120.433 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, 45.911, 120.433 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, 45.911, 120.433

Background



This preview shows how black text looks on a background with the CIELCh color 85, 45.911, 120.433.



This preview shows how white text looks on a background with the CIELCh color 85, 45.911, 120.433.

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](#).

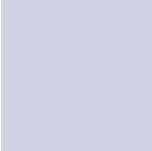
Dichromacy



Original Color
85, 45.911, 120.433

Protanopia
85, 42.095, 95.819

Deuteranopia
85, 39.576, 74.930



Tritanopia
85, 8.566, 279.176

Trichromacy



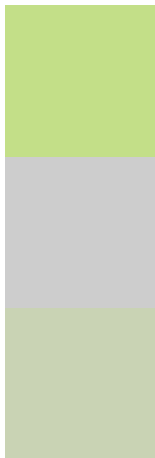
Original Color
85, 45.911, 120.433

Protanomaly
85, 42.666, 105.384

Deuteranomaly
85, 38.508, 93.311

Tritanomaly
85, 12.525, 131.760

Monochromacy



Original Color
85, 45.911, 120.433

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 16.728, 121.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 45.911, 120.433 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(195, 223, 136)` looks like.

```
.text, #text, p{  
    color:rgb(195, 223, 136)  
}
```

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(195, 223, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 223, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 45.911, 120.433 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(195, 223, 136) }
```

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

```
.border{ border-color:rgb(195, 223, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 223, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 223, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 223, 136);  
box-shadow:4px 4px 4px 4px rgb(195, 223,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 45.911, 120.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 223, 136) }
```

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

```
.background{ background-color: rgb(195,  
223, 136) }
```

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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