

Converting Colors

CIELCh(84, 45.397, 120.119)

Have a look what the booklet for
CIELCh(84, 45.397, 120.119)
contains.

CIELCh(84, 45.429, 120.110)	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(84, 45.429, 120.110)

Conversions

Conversions Part 1

Format	Color
Hex	C1DC86
RGB	193, 220, 134
RGB Percent	76%, 86%, 53%
CMY	0.2442, 0.1383, 0.4755
CMYK	0.12, 0.00, 0.39, 0.14
HSL	79°, 55%, 69%
HSV	79°, 39%, 86%
XYZ	51.7356, 64.0658, 32.1033
YIQ	202.1230, 11.5140, -32.4700

Conversions

Conversions Part 2

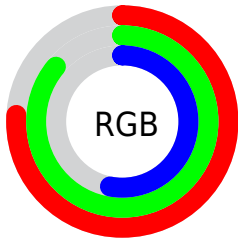
Format	Color
RYB	134, 220, 161
Decimal	12704902
CIELab	84.00, -22.79, 39.30
CIELCh	84, 45.429, 120.110
Yxy	64.0658, 0.3498, 0.4332
Android (android.graphics.Color)	4290894982 (0xFFC1DC86)
YUV	202.1230, -33.5846, -8.0009
Hunter-Lab	80.0411, -24.6961, 32.2484

Details

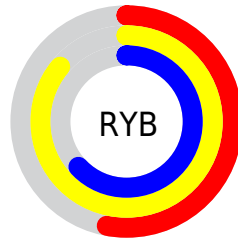
The CIELCh color **84, 45.429, 120.110** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **61, 49.245, 305.068**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 33.766, 110.850**, and **64, 45.317, 120.256** is the 20% darker color. If you saturate the color by 10%, you get **83, 56.354, 119.611**, and if you desaturate by 10%, it is **85, 34.070, 120.670**.

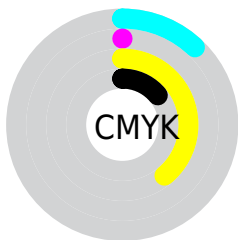
Distribution



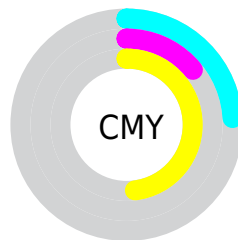
- Red (76%)
- Green (86%)
- Blue (53%)



- Red (53%)
- Yellow (86%)
- Blue (63%)



- Cyan (12%)
- Magenta (0%)
- Yellow (39%)
- Black (14%)





- Cyan (24%)
- Magenta (14%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 45.429, 120.110 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, 45.429, 120.110 by changing the saturation by 10% instead.


 84, 45.429,
120.110


 84, 45.429,
120.110


 100, 45.429,
120.110


 74, 45.429,
120.110

 64, 45.429,
120.110

 54, 45.429,
120.110

 44, 45.429,
120.110

 34, 45.429,
120.110

 24, 45.429,
120.110

 14, 45.429,

120.110

■ 4, 45.429, 120.110

■ 0, 45.429, 120.110

■ 84, 45.429,
120.110

■ 84, 45.429,
120.110

■ 83, 56.354,
119.611

■ 85, 34.070,
120.670

■ 83, 66.560,
119.223

■ 86, 22.462,
121.249

■ 82, 75.648,
119.032

■ 87, 10.732,
121.826

■ 81, 83.109,
119.142

■ 88, 1.033, 302.320

■ 81, 88.443,

■ 89, 12.772,
302.898

119.667

90, 19.089,
306.520

81, 91.606,
120.631

90, 19.835,
313.207

81, 91.845,
120.719

91, 20.829,
319.416

91, 22.044,
325.074

Harmonies

Complementary

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



84, 45.429, 120.110



61, 49.245, 305.068

Rectangle

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



84, 45.429, 120.110



84, 45.429, 170.110



84, 45.429, 300.110



84, 45.429, 350.110

Sweetspot

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



84, 45.431, 120.112



99, 15.914, 121.656



71, 29.346, 49.388



52, 10.555, 121.580



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, 45.431, 120.112



95, 60.980, 119.692



81, 51.761, 136.629



46, 6.662, 121.809



65, 76.845, 120.482



17, 27.710, 120.777

Inverse Universe

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



61, 49.245, 305.068



65, 67.504, 305.788



66, 52.641, 320.526



42, 6.786, 302.872



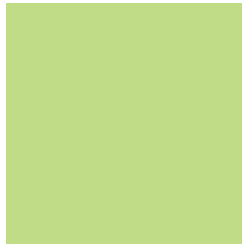
23, 96.960, 308.557



3, 30.234, 302.828

Previews

White Background



This preview shows how the CIELCh color 84, 45.429, 120.110 looks on a white background.

Color Contrast Check

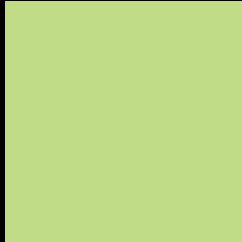
Large Text (above 18pt) WCAG AA × Fail

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 84, 45.429, 120.110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

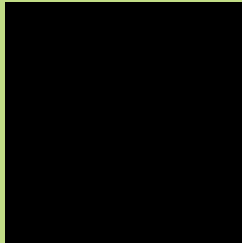
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 45.429, 120.110

Background



This preview shows how black text looks on a background with the CIELCh color 84, 45.429, 120.110.

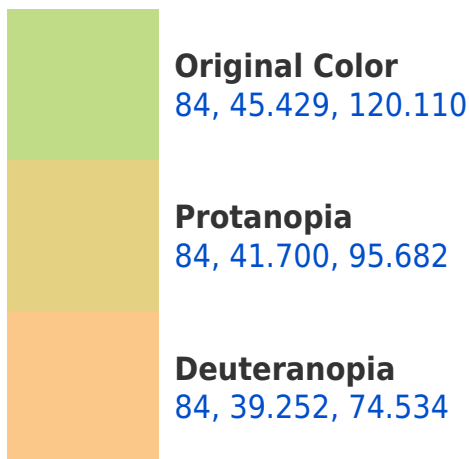


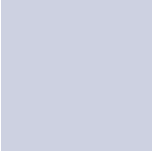
This preview shows how white text looks on a background with the CIELCh color 84, 45.429, 120.110.

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
84, 8.532, 281.484

Trichromacy



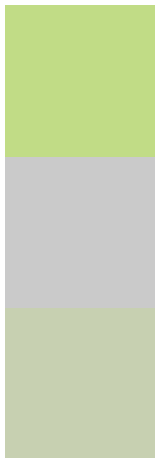
Original Color
84, 45.429, 120.110

Protanomaly
84, 42.262, 105.367

Deuteranomaly
84, 38.217, 92.526

Tritanomaly
84, 11.927, 131.117

Monochromacy



Original Color
84, 45.429, 120.110

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 16.685, 120.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 45.429, 120.110 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(193, 220, 134)` looks like.

```
.text, #text, p{  
    color:rgb(193, 220, 134)  
}
```

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(193, 220, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 220, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 45.429, 120.110 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(193, 220, 134) }
```

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

```
.border{ border-color:rgb(193, 220, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 220, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 220, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 220, 134); box-shadow:4px 4px 4px 4px rgb(193, 220, 134) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 45.429, 120.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 220, 134) }
```

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

```
.background{ background-color: rgb(193,  
220, 134) }
```

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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