

Converting Colors

CIELCh(80, 50.085, 106.594)

Have a look what the booklet for
CIELCh(80, 50.085, 106.594)
contains.

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Color

CIELCh(80, 50.282, 106.581)

Conversions

Conversions Part 1

Format	Color
Hex	CACC6A
RGB	202, 204, 106
RGB Percent	79%, 80%, 42%
CMY	0.2085, 0.2006, 0.5849
CMYK	0.01, 0.00, 0.48, 0.20
HSL	61°, 49%, 61%
HSV	61°, 48%, 80%
XYZ	48.4615, 56.6813, 21.9813
YIQ	192.2300, 30.2660, -30.9020

Conversions

Conversions Part 2

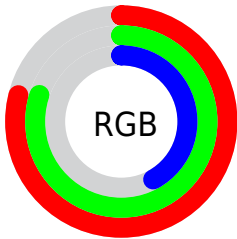
Format	Color
RYB	106, 204, 108
Decimal	13290602
CIELab	80.00, -14.35, 48.19
CIElCh	80, 50.282, 106.581
Yxy	56.6813, 0.3812, 0.4459
Android (android.graphics.Color)	4291480682 (0xFFCACC6A)
YUV	192.2300, -42.5114, 8.5683
Hunter-Lab	75.2870, -16.8536, 35.3901

Details

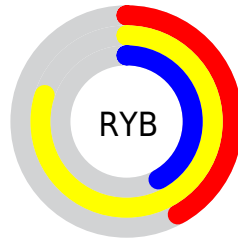
The CIELCh color **80, 50.282, 106.581** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **49, 57.322, 297.594**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 47.839, 106.520**, and **60, 50.093, 106.569** is the 20% darker color. If you saturate the color by 10%, you get **80, 59.542, 105.786**, and if you desaturate by 10%, it is **80, 40.349, 107.456**.

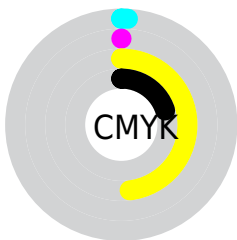
Distribution



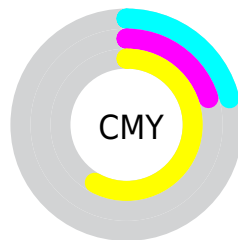
- Red (79%)
- Green (80%)
- Blue (42%)



- Red (42%)
- Yellow (80%)
- Blue (42%)



- Cyan (1%)
- Magenta (0%)
- Yellow (48%)
- Black (20%)





- Cyan (21%)
- Magenta (20%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 50.282, 106.581 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 80, 50.282, 106.581 by changing the saturation by 10% instead.


 80, 50.282,
106.581


 80, 50.282,
106.581


 100, 50.282,
106.581


 70, 50.282,
106.581

 60, 50.282,
106.581

 50, 50.282,
106.581

 40, 50.282,
106.581

 30, 50.282,
106.581

 20, 50.282,
106.581

 10, 50.282,

106.581

■ 0, 50.282, 106.581

■ 80, 50.282,
106.581

■ 80, 50.282,
106.581

■ 80, 59.542,
105.786

■ 80, 40.349,
107.456

■ 80, 67.748,
105.103

■ 81, 30.001,
108.370

■ 79, 74.414,
104.579

■ 81, 19.412,
109.304

■ 79, 79.053,
104.256

■ 82, 8.690, 110.235

■ 79, 81.522,
104.144

■ 82, 2.090, 291.190

■ 83, 12.883,
292.064

■ 79, 81.898,
104.132

■ 83, 23.656,
292.928

■ 84, 27.061,
293.392

■ 84, 27.065,
293.681

Harmonies

Complementary

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



80, 50.282, 106.581



49, 57.322, 297.594

Rectangle

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



80, 50.282, 106.581



80, 50.282, 156.581



80, 50.282, 286.581



80, 50.282, 336.581

Sweetspot

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



80, 50.283, 106.584



99, 18.057, 109.667



57, 42.016, 25.775



53, 12.458, 109.463



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 50.283, 106.584



97, 71.198, 105.735



77, 54.578, 127.432



43, 6.110, 110.112



66, 70.225, 104.113



14, 21.918, 106.592

Inverse Universe

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



49, 57.322, 297.594



53, 84.625, 299.732



54, 58.395, 312.018



39, 6.245, 291.921



19, 96.820, 306.356



1, 23.544, 292.977

Previews

White Background



This preview shows how the CIELCh color 80, 50.282, 106.581 looks on a white background.

Color Contrast Check

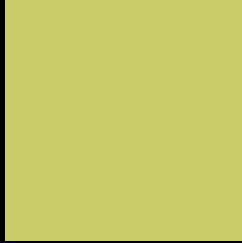
Large Text (above 18pt) WCAG AA × Fail

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 80, 50.282, 106.581 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 80, 50.282, 106.581

Background



This preview shows how black text looks on a background with the CIELCh color 80, 50.282, 106.581.



This preview shows how white text looks on a background with the CIELCh color 80, 50.282, 106.581.

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
80, 50.282, 106.581

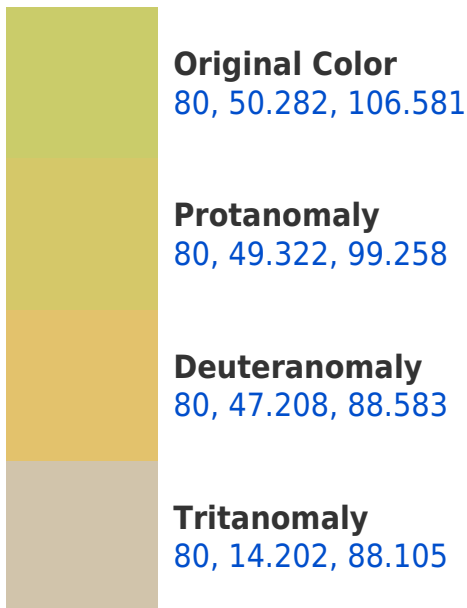
Protanopia
80, 49.476, 95.255

Deuteranopia
80, 48.351, 78.050



Tritanopia
80, 11.499, 332.501

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 50.282, 106.581 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(202, 204, 106)` looks like.

```
.text, #text, p{  
    color:rgb(202, 204, 106)  
}
```

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(202, 204, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 204, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 50.282, 106.581 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(202, 204, 106) }
```

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

```
.border{ border-color:rgb(202, 204, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 204, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 204, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 204, 106);  
box-shadow:4px 4px 4px 4px rgb(202, 204,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 50.282, 106.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 204, 106) }
```

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

```
.background{ background-color: rgb(202,  
204, 106) }
```

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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