

Converting Colors

CIELCh(83, 66.691, 106.767)

Have a look what the booklet for
CIELCh(83, 66.691, 106.767)
contains.

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Color

CIELCh(83, 66.386, 106.595)

Conversions

Conversions Part 1

Format	Color
Hex	D0D64F
RGB	208, 214, 79
RGB Percent	82%, 84%, 31%
CMY	0.1837, 0.1602, 0.6896
CMYK	0.03, 0.00, 0.63, 0.16
HSL	63°, 62%, 58%
HSV	63°, 63%, 84%
XYZ	51.5531, 62.1629, 16.7055
YIQ	196.8160, 39.7590, -43.2570

Conversions

Conversions Part 2

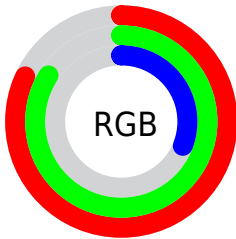
Format	Color
RYB	79, 214, 85
Decimal	13686351
CIELab	83.00, -18.96, 63.62
CIELCh	83, 66.386, 106.595
Yxy	62.1629, 0.3953, 0.4766
Android (android.graphics.Color)	4291876431 (0xFFD0D64F)
YUV	196.8160, -58.0833, 9.8084
Hunter-Lab	78.8435, -21.2609, 42.6280

Details

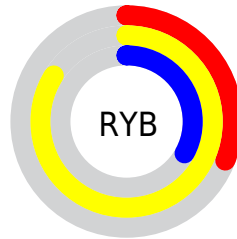
The CIELCh color **83, 66.386, 106.595** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **42, 80.298, 301.120**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 59.517, 105.622**, and **63, 66.295, 106.593** is the 20% darker color. If you saturate the color by 10%, you get **83, 74.177, 106.043**, and if you desaturate by 10%, it is **83, 57.249, 107.300**.

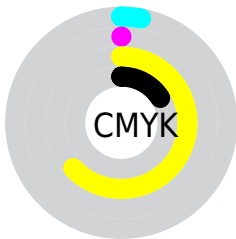
Distribution



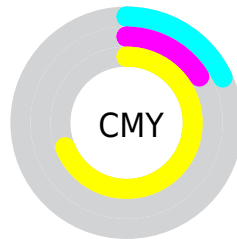
- Red (82%)
- Green (84%)
- Blue (31%)



- Red (31%)
- Yellow (84%)
- Blue (33%)



- Cyan (3%)
- Magenta (0%)
- Yellow (63%)
- Black (16%)





- Cyan (18%)
- Magenta (16%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 66.386, 106.595 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 83, 66.386, 106.595 by changing the saturation by 10% instead.


 83, 66.386,
106.595


 83, 66.386,
106.595


 100, 66.386,
106.595


 73, 66.386,
106.595

 63, 66.386,
106.595

 53, 66.386,
106.595

 43, 66.386,
106.595

 33, 66.386,
106.595

 23, 66.386,
106.595

 13, 66.386,

106.595

■ 3, 66.386, 106.595

■ 0, 66.386, 106.595

■ 83, 66.386,
106.595

■ 83, 66.386,
106.595

■ 83, 74.177,
106.043

■ 83, 57.249,
107.300

■ 83, 80.088,
105.691

■ 84, 47.222,
108.102

■ 82, 83.699,
105.581

■ 84, 36.638,
108.965

■ 82, 85.083,
105.623

■ 84, 25.720,
109.858

■ 85, 14.612,

110.760

■ 85, 3.407, 111.644

■ 86, 7.832, 292.540

■ 87, 19.064,
293.384

■ 87, 21.452,
294.225

Harmonies

Complementary

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



83, 66.386, 106.595



42, 80.298, 301.120

Rectangle

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



83, 66.386, 106.595



83, 66.386, 156.595



83, 66.386, 286.595



83, 66.386, 336.595

Sweetspot

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



83, 66.387, 106.597



99, 24.478, 110.206



53, 58.979, 30.067



53, 16.825, 109.945



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 66.387, 106.597



97, 87.411, 105.886



79, 72.874, 127.518



45, 6.364, 111.084



67, 71.898, 105.581



17, 25.033, 107.038

Inverse Universe

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



42, 80.298, 301.120



41, 112.217, 303.760



48, 79.439, 313.174



41, 6.506, 292.828



20, 98.889, 306.431



2, 27.618, 295.153

Previews

White Background



This preview shows how the CIELCh color 83, 66.386, 106.595 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 83, 66.386, 106.595 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 83, 66.386, 106.595

Background



This preview shows how black text looks on a background with the CIELCh color 83, 66.386, 106.595.

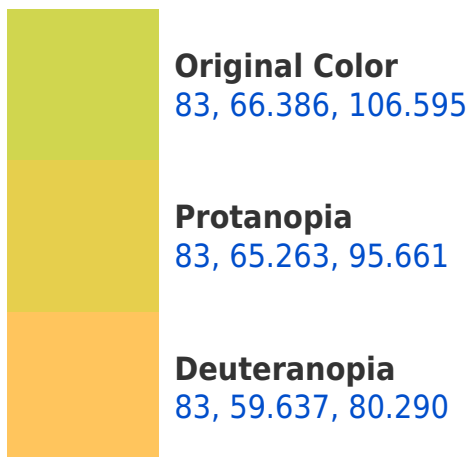


This preview shows how white text looks on a background with the CIELCh color 83, 66.386, 106.595.

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
83, 10.777, 332.896

Trichromacy



Original Color
83, 66.386, 106.595

Protanomaly
83, 65.404, 99.896

Deuteranomaly
83, 60.312, 90.381

Tritanomaly
83, 21.374, 97.717

Monochromacy



Original Color
83, 66.386, 106.595

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 25.782, 109.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 66.386, 106.595 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(208, 214, 79)` looks like.

```
.text, #text, p{  
    color:rgb(208, 214, 79)  
}
```

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(208, 214, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 214, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 66.386, 106.595 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(208, 214, 79) }
```

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

```
.border{ border-color:rgb(208, 214, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 214, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 214, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 214, 79);  
box-shadow:4px 4px 4px 4px rgb(208, 214,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 66.386, 106.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 214, 79) }
```

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

```
.background{ background-color: rgb(208,  
214, 79) }
```

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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