

Converting Colors

CIELCh(88, 48.534, 108.411)

Have a look what the booklet for
CIELCh(88, 48.534, 108.411)
contains.

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Color

CIELCh(88, 48.697, 108.502)

Conversions

Conversions Part 1

Format	Color
Hex	DEE383
RGB	222, 227, 131
RGB Percent	87%, 89%, 51%
CMY	0.1296, 0.1100, 0.4865
CMYK	0.02, 0.00, 0.42, 0.11
HSL	63°, 63%, 70%
HSV	63°, 42%, 89%
XYZ	61.6535, 72.0653, 32.1145
YIQ	214.5610, 27.8360, -30.9160

Conversions

Conversions Part 2

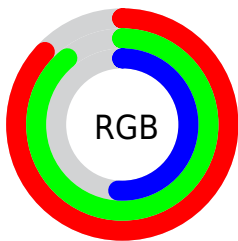
Format	Color
RYB	131, 227, 136
Decimal	14607235
CIELab	88.00, -15.45, 46.18
CIELCh	88, 48.697, 108.502
Yxy	72.0653, 0.3718, 0.4346
Android (android.graphics.Color)	4292797315 (0xFFDEE383)
YUV	214.5610, -41.1956, 6.5240
Hunter-Lab	84.8913, -18.9215, 36.9944

Details

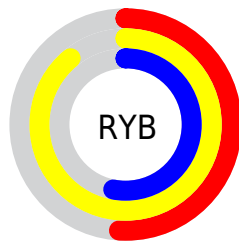
The CIELCh color **88, 48.697, 108.502** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **59, 54.416, 297.481**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 35.183, 107.497**, and **68, 48.869, 108.741** is the 20% darker color. If you saturate the color by 10%, you get **88, 59.254, 107.708**, and if you desaturate by 10%, it is **88, 37.574, 109.362**.

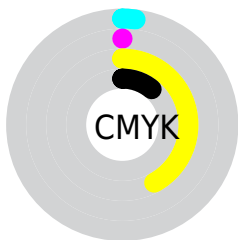
Distribution



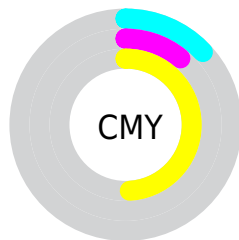
- Red (87%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (53%)



- Cyan (2%)
- Magenta (0%)
- Yellow (42%)
- Black (11%)



- Cyan (13%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 48.697, 108.502 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 88, 48.697, 108.502 by changing the saturation by 10% instead.

 88, 48.697,
108.502

 88, 48.697,
108.502

 100, 48.697,
108.502


 78, 48.697,
108.502

 68, 48.697,
108.502

 58, 48.697,
108.502

 48, 48.697,
108.502

 38, 48.697,
108.502

 28, 48.697,
108.502

 18, 48.697,


108.502


 8, 48.697, 108.502


 0, 48.697, 108.502

 88, 48.697,
108.502

 88, 48.697,
108.502


 88, 59.254,
107.708


 88, 37.574,
109.362

 87, 68.899,
107.010

 89, 26.109,
110.248

 87, 77.156,
106.463

 89, 14.452,
111.141

 87, 83.465,
106.122

 90, 2.699, 112.012

 87, 87.369,

 91, 9.086, 292.900

106.031

91, 14.588,
294.133

87, 88.931,
106.112

91, 14.619,
295.708

91, 14.660,
297.278

91, 14.712,
298.843

Harmonies

Complementary

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



88, 48.697, 108.502



59, 54.416, 297.481

Rectangle

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



88, 48.697, 108.502



88, 48.697, 158.502



88, 48.697, 288.502



88, 48.697, 338.502

Sweetspot

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



88, 48.698, 108.505



99, 16.785, 111.071



66, 38.544, 27.161



53, 11.738, 110.873



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 48.698, 108.505



97, 63.628, 107.781



85, 53.188, 128.827



47, 6.614, 111.395



69, 73.520, 106.058



19, 27.951, 106.817

Inverse Universe

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



59, 54.416, 297.481



59, 73.428, 299.068



63, 56.135, 312.795



43, 6.762, 293.124



21, 101.035, 306.450



2, 31.711, 297.096

Previews

White Background



This preview shows how the CIELCh color 88, 48.697, 108.502 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 88, 48.697, 108.502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

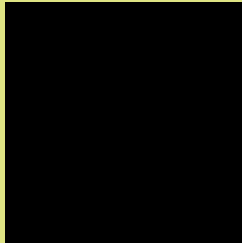
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 48.697, 108.502

Background



This preview shows how black text looks on a background with the CIELCh color 88, 48.697, 108.502.



This preview shows how white text looks on a background with the CIELCh color 88, 48.697, 108.502.

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
88, 48.697, 108.502

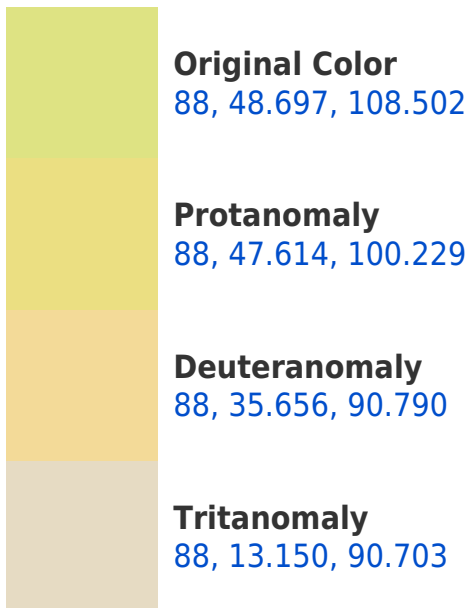
Protanopia
88, 47.787, 95.723

Deuteranopia
88, 30.803, 74.806



Tritanopia
88, 11.214, 327.876

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 48.697, 108.502 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(222, 227, 131)` looks like.

```
.text, #text, p{  
    color:rgb(222, 227, 131)  
}
```

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(222, 227, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 227, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 48.697, 108.502 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(222, 227, 131) }
```

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

```
.border{ border-color:rgb(222, 227, 131) }
```

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

Here you see how a box with a 4 pixel rgb(222, 227, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 227, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 227, 131);  
box-shadow:4px 4px 4px 4px rgb(222, 227,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 48.697, 108.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 227, 131) }
```

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

```
.background{ background-color: rgb(222,  
227, 131) }
```

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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