

Converting Colors

CIELCh(83, 54.749, 108.454)

Have a look what the booklet for
CIELCh(83, 54.749, 108.454)
contains.

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Color

CIELCh(83, 54.749, 108.454)

Conversions

Conversions Part 1

Format	Color
Hex	CFD66A
RGB	207, 214, 106
RGB Percent	81%, 84%, 42%
CMY	0.1897, 0.1621, 0.5856
CMYK	0.03, 0.00, 0.51, 0.16
HSL	64°, 57%, 63%
HSV	64°, 51%, 84%
XYZ	52.1737, 62.1629, 22.7948
YIQ	199.5950, 30.4960, -35.0720

Conversions

Conversions Part 2

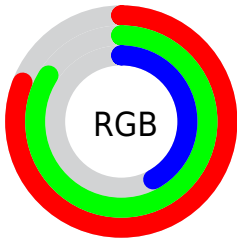
Format	Color
RYB	106, 214, 113
Decimal	13620842
CIELab	83.00, -17.33, 51.93
CIELCh	83, 54.749, 108.454
Yxy	62.1629, 0.3805, 0.4533
Android (android.graphics.Color)	4291810922 (0xFFCFD66A)
YUV	199.5950, -46.1423, 6.4942
Hunter-Lab	78.8435, -19.8559, 38.0488

Details

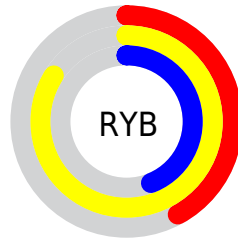
The CIELCh color **83, 54.749, 108.454** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **50, 62.913, 299.216**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 47.360, 106.557**, and **63, 54.416, 108.532** is the 20% darker color. If you saturate the color by 10%, you get **83, 64.143, 107.761**, and if you desaturate by 10%, it is **83, 44.567, 109.245**.

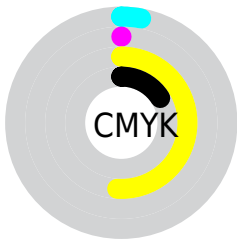
Distribution



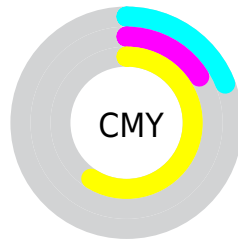
- Red (81%)
- Green (84%)
- Blue (42%)



- Red (42%)
- Yellow (84%)
- Blue (44%)



- Cyan (3%)
- Magenta (0%)
- Yellow (51%)
- Black (16%)



- Cyan (19%)
- Magenta (16%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 54.749, 108.454 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, 54.749, 108.454 by changing the saturation by 10% instead.


 83, 54.749,
108.454


 83, 54.749,
108.454


 100, 54.749,
108.454


 73, 54.749,
108.454

 63, 54.749,
108.454

 53, 54.749,
108.454

 43, 54.749,
108.454

 33, 54.749,
108.454

 23, 54.749,
108.454

 13, 54.749,

108.454

■ 3, 54.749, 108.454

■ 0, 54.749, 108.454

■ 83, 54.749,
108.454

■ 83, 54.749,
108.454

■ 83, 64.143,
107.761

■ 83, 44.567,
109.245

■ 82, 72.321,
107.208

■ 84, 33.894,
110.088

■ 82, 78.760,
106.857

■ 84, 22.929,
110.955

■ 82, 82.987,
106.760

■ 85, 11.801,
111.825

■ 82, 85.074,

■ 85, 0.596, 112.619

106.889

■ 86, 10.632,
293.530

■ 87, 21.722,
294.339

■ 87, 21.752,
295.558

■ 87, 21.791,
296.777

Harmonies

Complementary

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



83, 54.749, 108.454



50, 62.913, 299.216

Rectangle

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



83, 54.749, 108.454



83, 54.749, 158.454



83, 54.749, 288.454



83, 54.749, 338.454

Sweetspot

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



83, 54.750, 108.456



99, 19.367, 111.425



59, 45.073, 28.423



53, 13.204, 111.239



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, 54.750, 108.456



97, 74.385, 107.693



80, 59.968, 128.474



45, 6.369, 111.921



67, 72.012, 106.828



17, 25.058, 108.204

Inverse Universe

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



50, 62.913, 299.216



51, 89.285, 301.246



55, 64.000, 313.175



41, 6.510, 293.601



20, 98.782, 306.498



2, 27.641, 295.665

Previews

White Background



This preview shows how the CIELCh color 83, 54.749, 108.454 looks on a white background.

Color Contrast Check

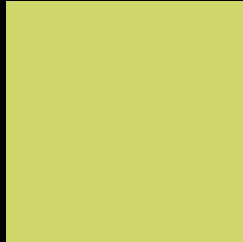
Large Text (above 18pt) WCAG AA × Fail

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, 54.749, 108.454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

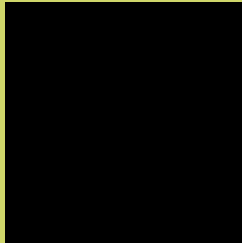
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 54.749, 108.454

Background



This preview shows how black text looks on a background with the CIELCh color 83, 54.749, 108.454.



This preview shows how white text looks on a background with the CIELCh color 83, 54.749, 108.454.

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
83, 54.749, 108.454

Protanopia
83, 53.865, 95.896

Deuteranopia
83, 51.791, 78.416



Tritanopia
83, 10.714, 328.061

Trichromacy



Original Color
83, 54.749, 108.454

Protanomaly
83, 53.657, 100.460

Deuteranomaly
83, 51.102, 89.784

Tritanomaly
83, 15.639, 95.999

Monochromacy



Original Color
83, 54.749, 108.454

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 20.556, 110.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 54.749, 108.454 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(207, 214, 106)` looks like.

```
.text, #text, p{  
    color:rgb(207, 214, 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(207, 214, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 214, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 54.749, 108.454 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(207, 214, 106) }
```

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

```
.border{ border-color:rgb(207, 214, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 214, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 214, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 214, 106);  
box-shadow:4px 4px 4px 4px rgb(207, 214,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 54.749, 108.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 214, 106) }
```

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

```
.background{ background-color: rgb(207,  
214, 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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