

Converting Colors

CIELCh(84, 50.973, 112.781)

Have a look what the booklet for
CIELCh(84, 50.973, 112.781)
contains.

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Color

CIELCh(84, 51.219, 112.683)

Conversions

Conversions Part 1

Format	Color
Hex	CBDA76
RGB	203, 218, 118
RGB Percent	80%, 85%, 46%
CMY	0.2044, 0.1455, 0.5377
CMYK	0.07, 0.00, 0.46, 0.15
HSL	69°, 57%, 66%
HSV	69°, 46%, 85%
XYZ	52.8993, 64.0658, 26.6827
YIQ	202.1150, 23.1600, -34.2800

Conversions

Conversions Part 2

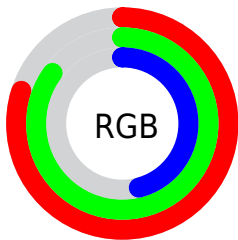
Format	Color
RYB	118, 218, 133
Decimal	13359734
CIELab	84.00, -19.75, 47.26
CIELCh	84, 51.219, 112.683
Yxy	64.0658, 0.3683, 0.4460
Android (android.graphics.Color)	4291549814 (0xFFFCBDA76)
YUV	202.1150, -41.4687, 0.7761
Hunter-Lab	80.0411, -22.1009, 36.2637

Details

The CIELCh color **84, 51.219, 112.683** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **55, 57.577, 300.812**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 41.560, 107.005**, and **64, 51.310, 112.631** is the 20% darker color. If you saturate the color by 10%, you get **84, 61.268, 112.071**, and if you desaturate by 10%, it is **85, 40.534, 113.383**.

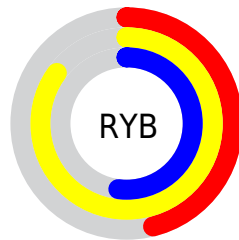
Distribution



Red (80%)

Green (85%)

Blue (46%)



Red (46%)

Yellow (85%)

Blue (52%)

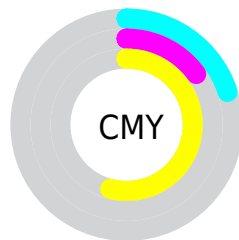


Cyan (7%)

Magenta (0%)

Yellow (46%)

Black (15%)



Cyan (20%)

Magenta (15%)

Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 51.219, 112.683 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, 51.219, 112.683 by changing the saturation by 10% instead.


 84, 51.219,
112.683

 84, 51.219,
112.683


 100, 51.219,
112.683


 74, 51.219,
112.683

 64, 51.219,
112.683

 54, 51.219,
112.683

 44, 51.219,
112.683

 34, 51.219,
112.683

 24, 51.219,
112.683

 14, 51.219,

112.683

■ 4, 51.219, 112.683

■ 0, 51.219, 112.683

■ 84, 51.219,
112.683

■ 84, 51.219,
112.683

■ 84, 61.268,
112.071

■ 85, 40.534,
113.383

■ 83, 70.310,
111.597

■ 85, 29.458,
114.124

■ 83, 77.857,
111.337

■ 86, 18.158,
114.879

■ 82, 83.376,
111.374

■ 87, 6.742, 115.627

■ 82, 86.536,

■ 87, 4.719, 296.360

111.767

88, 16.173,
297.062

82, 87.407,
111.992

89, 19.616,
299.535

89, 19.805,
302.723

89, 20.053,
305.863

Harmonies

Complementary

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



84, 51.219, 112.683



55, 57.577, 300.812

Rectangle

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



84, 51.219, 112.683



84, 51.219, 162.683



84, 51.219, 292.683



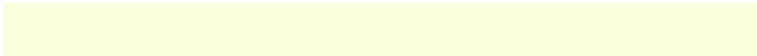
84, 51.219, 342.683

Sweetspot

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



84, 51.220, 112.685



99, 18.180, 115.012



64, 37.989, 35.334



53, 12.544, 114.848



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, 51.220, 112.685



96, 68.554, 112.093



81, 57.274, 131.911



46, 6.528, 115.364



67, 73.681, 111.859



17, 26.766, 112.520

Inverse Universe

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



55, 57.577, 300.812



57, 79.654, 302.173



60, 59.713, 316.104



42, 6.669, 296.802



21, 99.221, 306.914



2, 29.821, 298.594

Previews

White Background



This preview shows how the CIELCh color 84, 51.219, 112.683 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 84, 51.219, 112.683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

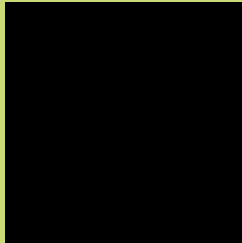
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 51.219, 112.683

Background



This preview shows how black text looks on a background with the CIELCh color 84, 51.219, 112.683.

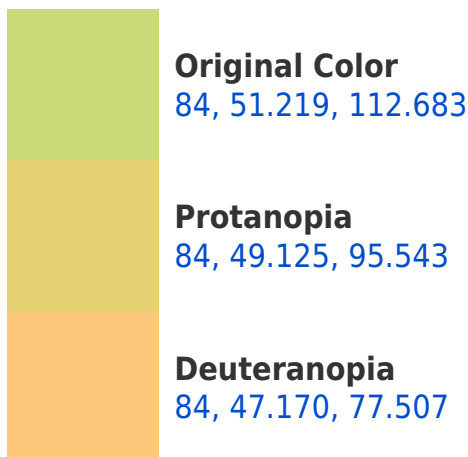


This preview shows how white text looks on a background with the CIELCh color 84, 51.219, 112.683.

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, 9.077, 311.510

Trichromacy



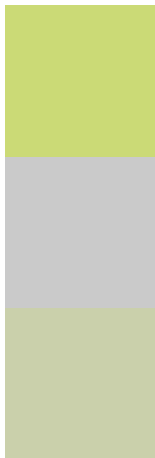
Original Color
84, 51.219, 112.683

Protanomaly
84, 49.225, 101.974

Deuteranomaly
84, 46.088, 91.447

Tritanomaly
84, 13.645, 107.390

Monochromacy



Original Color
84, 51.219, 112.683

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 19.581, 115.236

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 51.219, 112.683 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(203, 218, 118)` looks like.

```
.text, #text, p{  
    color:rgb(203, 218, 118)  
}
```

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(203, 218, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 218, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 51.219, 112.683 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(203, 218, 118) }
```

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

```
.border{ border-color:rgb(203, 218, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 218, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 218, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 218, 118);  
box-shadow:4px 4px 4px 4px rgb(203, 218,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 51.219, 112.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 218, 118) }
```

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

```
.background{ background-color: rgb(203,  
218, 118) }
```

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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