

Converting Colors

CIELCh(83, 68.325, 82.475)

Have a look what the booklet for
CIELCh(83, 68.325, 82.475) contains.

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Color

CIELCh(83, 68.287, 82.919)

Conversions

Conversions Part 1

Format	Color
Hex	FFC648
RGB	255, 198, 72
RGB Percent	100%, 78%, 28%
CMY	0.0000, 0.2232, 0.7174
CMYK	0.00, 0.22, 0.72, 0.00
HSL	41°, 100%, 64%
HSV	41°, 72%, 100%
XYZ	62.6501, 62.1629, 14.8393
YIQ	200.6790, 74.4180, -27.1020

Conversions

Conversions Part 2

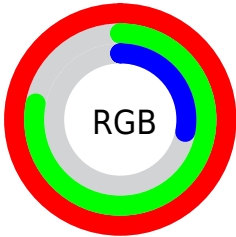
Format	Color
R_{YB}	155, 255, 72
Decimal	16762440
CIE Lab	83.00, 8.42, 67.77
CIE LCh	83, 68.287, 82.919
Yxy	62.1629, 0.4486, 0.4451
Android (android.graphics.Color)	4294952520 (0xFFFFC648)
YUV	200.6790, -63.4387, 47.6395
Hunter-Lab	78.8435, 3.8623, 44.0313

Details

The CIELCh color **83, 68.287, 82.919** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **56, 71.920, 288.610**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 62.245, 105.027**, and **63, 68.175, 83.102** is the 20% darker color. If you saturate the color by 10%, you get **81, 75.620, 81.212**, and if you desaturate by 10%, it is **85, 59.483, 84.509**.

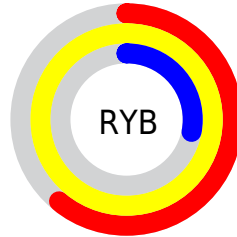
Distribution



Red (100%)

Green (78%)

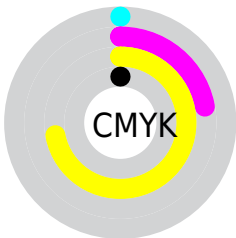
Blue (28%)



Red (61%)

Yellow (100%)

Blue (28%)

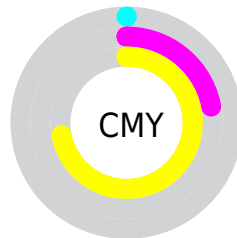


Cyan (0%)

Magenta (22%)

Yellow (72%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 68.287, 82.919 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, 68.287, 82.919 by changing the saturation by 10% instead.

83, 68.287, 82.919

83, 68.287, 82.919

100, 68.287,
82.919

73, 68.287, 82.919

63, 68.287, 82.919

53, 68.287, 82.919

43, 68.287, 82.919

33, 68.287, 82.919

23, 68.287, 82.919

13, 68.287, 82.919

3, 68.287, 82.919

0, 68.287, 82.919

83, 68.287, 82.919

83, 68.287, 82.919

81, 75.620, 81.212

85, 59.483, 84.509

79, 80.574, 79.159

87, 49.972, 85.978

77, 82.644, 77.150

90, 40.181, 87.391

92, 30.352, 88.762

94, 20.613, 90.091

97, 11.022, 91.372

100, 1.606, 92.475

100, 0.012,
296.813

Harmonies

Complementary

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



83, 68.287, 82.919



56, 71.920, 288.610

Rectangle

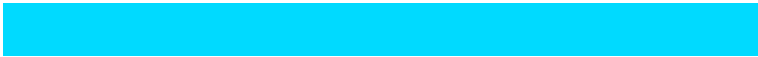
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 68.287, 82.919



83, 68.287, 132.919



83, 68.287, 262.919



83, 68.287, 312.919

Sweetspot

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



83, 68.272, 82.948



94, 20.868, 90.056



59, 72.441, 7.458



50, 14.055, 89.700



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, 68.272, 82.948



80, 78.080, 80.386



95, 85.316, 113.020



52, 5.327, 91.648



59, 66.607, 77.661



20, 28.408, 80.400

Inverse Universe

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



56, 71.920, 288.610



49, 87.805, 293.633



46, 105.044, 305.229



50, 5.338, 274.125



32, 81.742, 297.874



8, 32.808, 292.923

Previews

White Background



This preview shows how the CIELCh color 83, 68.287, 82.919 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, 68.287, 82.919 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, 68.287, 82.919

Background



This preview shows how black text looks on a background with the CIELCh color 83, 68.287, 82.919.



This preview shows how white text looks on a background with the CIELCh color 83, 68.287, 82.919.

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, 68.287, 82.919

Protanopia

83, 66.133, 95.316

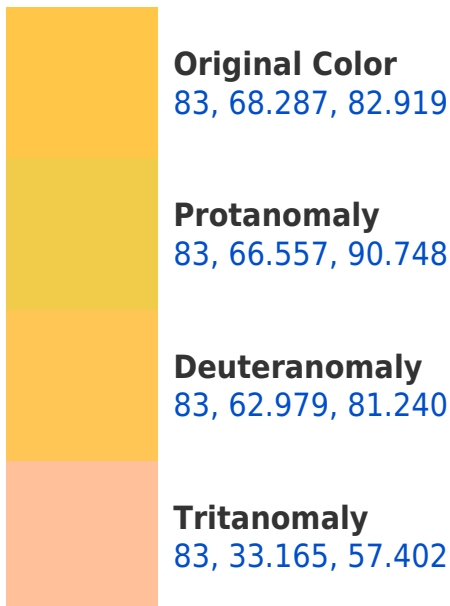
Deuteranopia

83, 60.061, 80.418



Tritanopia
83, 25.648, 7.427

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 68.287, 82.919 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(255, 198, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 72)  
}
```

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(255, 198, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 68.287, 82.919 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(255, 198, 72) }
```

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

```
.border{ border-color:rgb(255, 198, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 68.287, 82.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 72) }
```

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

```
.background{ background-color: rgb(255,  
198, 72) }
```

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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