

Converting Colors

CIELCh(83, 88.227, 90.652)

Have a look what the booklet for
CIELCh(83, 88.227, 90.652) contains.

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Color

CIELCh(83, 83.991, 90.700)

Conversions

Conversions Part 1

Format	Color
Hex	F4CC00
RGB	244, 204, 0
RGB Percent	96%, 80%, 0%
CMY	0.0448, 0.2014, 1.0000
CMYK	0.00, 0.16, 1.00, 0.04
HSL	50°, 100%, 48%
HSV	50°, 100%, 96%
XYZ	58.6588, 62.1629, 8.8716
YIQ	192.7040, 89.3240, -54.9640

Conversions

Conversions Part 2

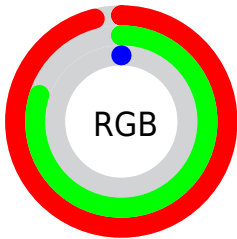
Format	Color
RYB	48, 244, 0
Decimal	16043008
CIELab	83.00, -1.03, 83.98
CIELCh	83, 83.991, 90.700
Yxy	62.1629, 0.4523, 0.4793
Android (android.graphics.Color)	4294233088 (0xFFFF4CC00)
YUV	192.7040, -95.0031, 44.9866
Hunter-Lab	78.8435, -5.1738, 48.5190

Details

The CIELCh color **83, 83.991, 90.700** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **34, 118.732, 303.894**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 79.352, 104.125**, and **63, 67.229, 89.572** is the 20% darker color. If you saturate the color by 10%, you get **83, 83.879, 90.697**, and if you desaturate by 10%, it is **84, 81.961, 91.962**.

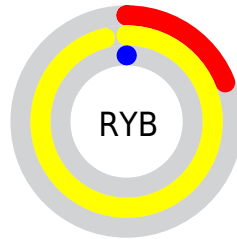
Distribution



Red (96%)

Green (80%)

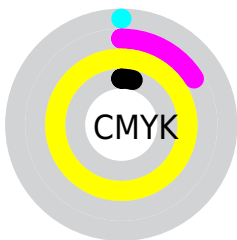
Blue (0%)



Red (19%)

Yellow (96%)

Blue (0%)

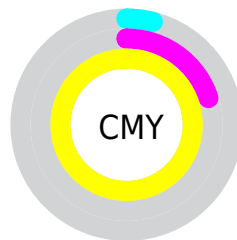


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (20%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 83.991, 90.700 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, 83.991, 90.700 by changing the saturation by 10% instead.

 83, 83.991, 90.700

 83, 83.991, 90.700

 100, 83.991,
90.700

 73, 83.991, 90.700

 63, 83.991, 90.700

 53, 83.991, 90.700

 43, 83.991, 90.700

 33, 83.991, 90.700

 23, 83.991, 90.700

 13, 83.991, 90.700

 3, 83.991, 90.700

 0, 83.991, 90.700

■ 83, 83.991, 90.700

■ 83, 83.991, 90.700

■ 83, 83.879, 90.697

■ 84, 81.961, 91.962

■ 85, 77.435, 93.162

■ 86, 70.493, 94.337

■ 87, 61.886, 95.514

■ 89, 52.270, 96.698

■ 90, 42.097, 97.885

■ 91, 31.648, 99.065

■ 93, 21.089,
100.228

■ 94, 10.518,
101.361

Harmonies

Complementary

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



83, 83.991, 90.700



34, 118.732, 303.894

Rectangle

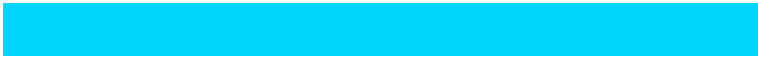
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 83.991, 90.700



83, 83.991, 140.700



83, 83.991, 270.700



83, 83.991, 320.700

Sweetspot

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



83, 83.879, 90.697



95, 32.845, 99.057



51, 92.649, 32.804



50, 22.395, 98.559



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, 83.879, 90.697



86, 86.823, 90.663



88, 99.939, 121.714



50, 6.001, 101.418



65, 68.652, 90.926



21, 28.966, 92.877

Inverse Universe

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



34, 118.732, 303.894



36, 123.145, 303.946



35, 124.949, 308.620



47, 6.085, 283.611



25, 95.829, 303.528



5, 35.368, 296.773

Previews

White Background



This preview shows how the CIELCh color 83, 83.991, 90.700 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, 83.991, 90.700 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, 83.991, 90.700

Background



This preview shows how black text looks on a background with the CIELCh color 83, 83.991, 90.700.



This preview shows how white text looks on a background with the CIELCh color 83, 83.991, 90.700.

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, 83.991, 90.700

Protanopia

83, 82.842, 94.984

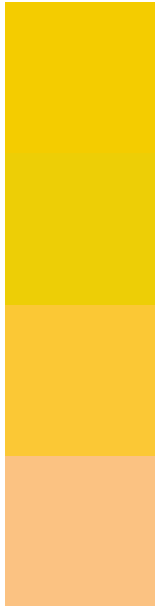
Deuteranopia

83, 63.567, 81.843



Tritanopia
83, 25.935, 4.015

Trichromacy



Original Color
83, 83.991, 90.700

Protanomaly
83, 83.188, 93.445

Deuteranomaly
83, 74.538, 86.188

Tritanomaly
82, 41.926, 72.179

Monochromacy



Original Color
83, 83.991, 90.700

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 39.315, 97.391

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 83.991, 90.700 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(244, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(244, 204, 0)  
}
```

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(244, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 204, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 83.991, 90.700 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(244, 204, 0) }
```

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

```
.border{ border-color:rgb(244, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(244, 204,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 83.991, 90.700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 204, 0) }
```

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

```
.background{ background-color: rgb(244,  
204, 0) }
```

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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