

Converting Colors

CIELCh(84, 84.497, 89.997)

Have a look what the booklet for
CIELCh(84, 84.497, 89.997) contains.

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Color

CIELCh(84, 84.513, 90.210)

Conversions

Conversions Part 1

Format	Color
Hex	F8CE03
RGB	248, 206, 3
RGB Percent	97%, 81%, 1%
CMY	0.0277, 0.1924, 0.9889
CMYK	0.00, 0.17, 0.99, 0.03
HSL	50°, 98%, 49%
HSV	50°, 99%, 97%
XYZ	60.7614, 64.0658, 9.2439
YIQ	195.4160, 90.1950, -54.2290

Conversions

Conversions Part 2

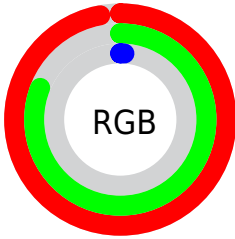
Format	Color
R _Y B	54, 248, 3
Decimal	16305667
CIE Lab	84.00, -0.31, 84.51
CIE LCh	84, 84.513, 90.210
Yxy	64.0658, 0.4532, 0.4778
Android (android.graphics.Color)	4294495747 (0xFFFF8CE03)
YUV	195.4160, -94.8611, 46.1162
Hunter-Lab	80.0411, -4.5676, 49.1814

Details

The CIELCh color **84, 84.513, 90.210** 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 **35, 118.564, 303.498**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 78.626, 104.179**, and **64, 67.957, 89.345** is the 20% darker color. If you saturate the color by 10%, you get **84, 84.680, 90.060**, and if you desaturate by 10%, it is **85, 82.378, 91.531**.

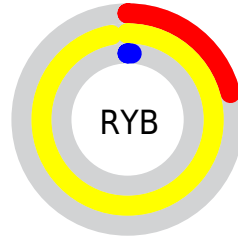
Distribution



Red (97%)

Green (81%)

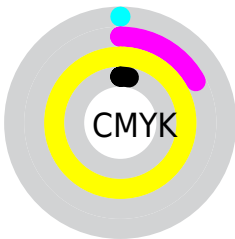
Blue (1%)



Red (21%)

Yellow (97%)

Blue (1%)

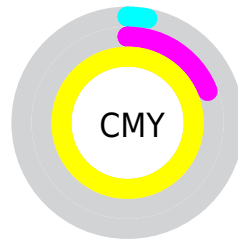


Cyan (0%)

Magenta (17%)

Yellow (99%)

Black (3%)



Cyan (3%)

Magenta (19%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 84.513, 90.210 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, 84.513, 90.210 by changing the saturation by 10% instead.

 84, 84.513, 90.210

 84, 84.513, 90.210

 100, 84.513,
90.210

 74, 84.513, 90.210

 64, 84.513, 90.210

 54, 84.513, 90.210

 44, 84.513, 90.210

 34, 84.513, 90.210

 24, 84.513, 90.210

 14, 84.513, 90.210

 4, 84.513, 90.210

 0, 84.513, 90.210

84, 84.513, 90.210

84, 84.513, 90.210

84, 84.680, 90.060

85, 82.378, 91.531

86, 77.479, 92.768

87, 70.212, 93.972

89, 61.354, 95.171

90, 51.549, 96.373

92, 41.232, 97.574

93, 30.671, 98.764

95, 20.023, 99.934

96, 9.377, 101.070

Harmonies

Complementary

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



84, 84.513, 90.210



35, 118.564, 303.498

Rectangle

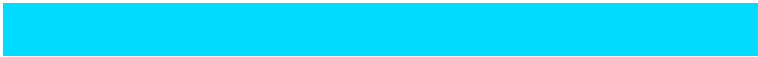
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 84.513, 90.210



84, 84.513, 140.210



84, 84.513, 270.210



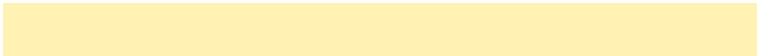
84, 84.513, 320.210

Sweetspot

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



84, 84.512, 90.212



95, 32.617, 98.624



52, 92.176, 31.166



50, 22.243, 98.122



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, 84.512, 90.212



86, 86.491, 90.038



90, 100.444, 120.822



51, 6.057, 100.999



66, 69.081, 90.302



21, 29.972, 92.202

Inverse Universe

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



35, 118.564, 303.498



36, 122.351, 303.758



35, 126.461, 308.410



48, 6.139, 283.211



26, 96.214, 303.348



5, 36.944, 297.583

Previews

White Background



This preview shows how the CIELCh color 84, 84.513, 90.210 looks on a white background.

Color Contrast Check

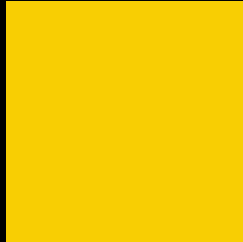
Large Text (above 18pt) WCAG AA × Fail

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, 84.513, 90.210 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, 84.513, 90.210

Background



This preview shows how black text looks on a background with the CIELCh color 84, 84.513, 90.210.



This preview shows how white text looks on a background with the CIELCh color 84, 84.513, 90.210.

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

84, 84.513, 90.210

Protanopia

84, 83.811, 94.792

Deuteranopia

84, 56.500, 81.276



Tritanopia
84, 24.163, 5.115

Trichromacy



Original Color
84, 84.513, 90.210

Protanomaly
84, 84.071, 93.273

Deuteranomaly
84, 70.941, 86.510

Tritanomaly
83, 41.866, 74.299

Monochromacy



Original Color
84, 84.513, 90.210

Achromatopsia
79, 0.010, 296.813

Achromatomaly
80, 39.221, 97.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 84.513, 90.210 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(248, 206, 3)` looks like.

```
.text, #text, p{  
    color:rgb(248, 206, 3)  
}
```

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(248, 206, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 206, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 84.513, 90.210 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(248, 206, 3) }
```

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

```
.border{ border-color:rgb(248, 206, 3) }
```

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

Here you see how a box with a 4 pixel rgb(248, 206, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 206, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 206, 3);  
box-shadow:4px 4px 4px 4px rgb(248, 206,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 84.513, 90.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 206, 3) }
```

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

```
.background{ background-color: rgb(248,  
206, 3) }
```

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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