

Converting Colors

CIELCh(84, 84.814, 87.897)

Have a look what the booklet for
CIELCh(84, 84.814, 87.897) contains.

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Color

CIELCh(84, 84.772, 88.073)

Conversions

Conversions Part 1

Format	Color
Hex	FDCC03
RGB	253, 204, 3
RGB Percent	99%, 80%, 1%
CMY	0.0079, 0.2000, 0.9883
CMYK	0.00, 0.19, 0.99, 0.01
HSL	48°, 98%, 50%
HSV	48°, 99%, 99%
XYZ	62.1087, 64.0658, 9.1773
YIQ	195.7370, 93.7250, -52.1230

Conversions

Conversions Part 2

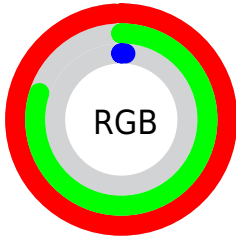
Format	Color
R _Y B	64, 253, 3
Decimal	16632835
CIE Lab	84.00, 2.85, 84.72
CIE LCh	84, 84.772, 88.073
Yxy	64.0658, 0.4589, 0.4733
Android (android.graphics.Color)	4294822915 (0xFFFDCC03)
YUV	195.7370, -95.0193, 50.2197
Hunter-Lab	80.0411, -1.5630, 49.2307

Details

The CIELCh color **84, 84.772, 88.073** 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 **37, 117.543, 302.789**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 78.990, 104.152**, and **64, 68.315, 86.545** is the 20% darker color. If you saturate the color by 10%, you get **84, 84.949, 87.893**, and if you desaturate by 10%, it is **85, 82.566, 89.589**.

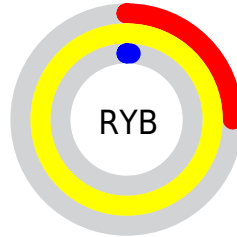
Distribution



Red (99%)

Green (80%)

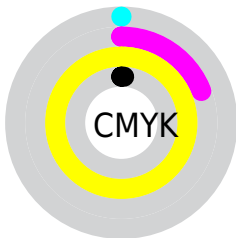
Blue (1%)



Red (25%)

Yellow (99%)

Blue (1%)

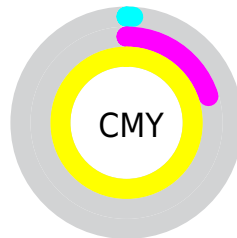


Cyan (0%)

Magenta (19%)

Yellow (99%)

Black (1%)



Cyan (1%)

Magenta (20%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 84.772, 88.073 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, 84.772, 88.073 by changing the saturation by 10% instead.

 84, 84.772, 88.073

 84, 84.772, 88.073

 100, 84.772,
88.073

 74, 84.772, 88.073

 64, 84.772, 88.073

 54, 84.772, 88.073

 44, 84.772, 88.073

 34, 84.772, 88.073

 24, 84.772, 88.073

 14, 84.772, 88.073

 4, 84.772, 88.073

 0, 84.772, 88.073

84, 84.772, 88.073

84, 84.772, 88.073

84, 84.949, 87.893

85, 82.566, 89.589

87, 77.526, 90.964

88, 70.115, 92.265

89, 61.147, 93.534

91, 51.279, 94.790

93, 40.946, 96.033

94, 30.407, 97.259

96, 19.813, 98.459

98, 9.248, 99.621

Harmonies

Complementary

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



84, 84.772, 88.073



37, 117.543, 302.789

Rectangle

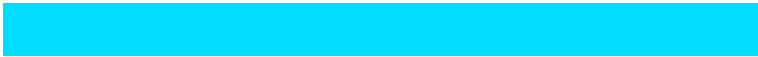
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 84.772, 88.073



84, 84.772, 138.073



84, 84.772, 268.073



84, 84.772, 318.073

Sweetspot

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



84, 84.771, 88.075



95, 31.858, 97.114



53, 92.592, 29.995



50, 21.738, 96.598



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, 84.771, 88.075



84, 85.458, 87.886



92, 101.466, 120.032



52, 6.001, 99.543



65, 68.938, 88.182



22, 30.557, 90.205

Inverse Universe

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



37, 117.543, 302.789



37, 119.492, 303.061



36, 128.783, 308.181



49, 6.073, 281.807



27, 94.870, 302.632



6, 37.800, 297.728

Previews

White Background



This preview shows how the CIELCh color 84, 84.772, 88.073 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, 84.772, 88.073 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, 84.772, 88.073

Background



This preview shows how black text looks on a background with the CIELCh color 84, 84.772, 88.073.



This preview shows how white text looks on a background with the CIELCh color 84, 84.772, 88.073.

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, 84.772, 88.073

Protanopia

84, 83.633, 94.790

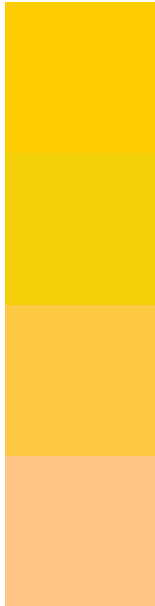
Deuteranopia

84, 56.061, 81.136



Tritanopia
84, 24.066, 6.328

Trichromacy



Original Color
84, 84.772, 88.073

Protanomaly
84, 83.949, 92.340

Deuteranomaly
84, 70.699, 85.363

Tritanomaly
83, 42.229, 72.575

Monochromacy



Original Color
84, 84.772, 88.073

Achromatopsia
79, 0.010, 296.813

Achromatomaly
80, 38.963, 95.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 84.772, 88.073 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(253, 204, 3)` looks like.

```
.text, #text, p{  
    color:rgb(253, 204, 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(253, 204, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 204, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 84.772, 88.073 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(253, 204, 3) }
```

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

```
.border{ border-color:rgb(253, 204, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 204, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 204, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 204, 3);  
box-shadow:4px 4px 4px 4px rgb(253, 204,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 84.772, 88.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 204, 3) }
```

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

```
.background{ background-color: rgb(253,  
204, 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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