

Converting Colors

CIELCh(82, 84.010, 84.840)

Have a look what the booklet for
CIELCh(82, 84.010, 84.840) contains.

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Color

CIELCh(82, 84.072, 84.970)

Conversions

Conversions Part 1

Format	Color
Hex	FEC400
RGB	254, 196, 0
RGB Percent	100%, 77%, 0%
CMY	0.0056, 0.2328, 1.0000
CMYK	0.00, 0.23, 1.00, 0.01
HSL	46°, 100%, 50%
HSV	46°, 100%, 99%
XYZ	60.3646, 60.2982, 8.4227
YIQ	190.9980, 97.4840, -48.6600

Conversions

Conversions Part 2

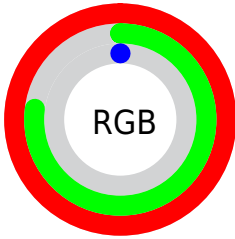
Format	Color
RYB	75, 254, 0
Decimal	16696320
CIELab	82.00, 7.37, 83.75
CIELCh	82, 84.072, 84.970
Yxy	60.2982, 0.4676, 0.4671
Android (android.graphics.Color)	4294886400 (0xFFFE400)
YUV	190.9980, -94.1620, 55.2528
Hunter-Lab	77.6519, 2.8704, 47.9253

Details

The CIELCh color **82, 84.072, 84.970** 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 **38, 114.815, 301.987**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 78.617, 103.220**, and **62, 67.600, 82.876** is the 20% darker color. If you saturate the color by 10%, you get **82, 83.960, 84.960**, and if you desaturate by 10%, it is **83, 81.847, 86.745**.

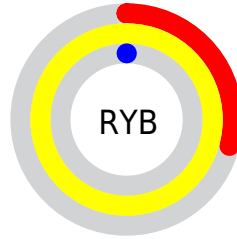
Distribution



Red (100%)

Green (77%)

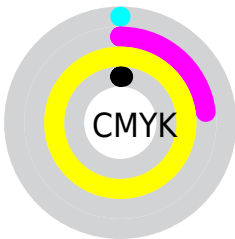
Blue (0%)



Red (29%)

Yellow (100%)

Blue (0%)

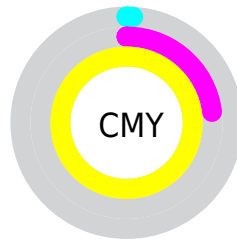


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (23%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 84.072, 84.970 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 82, 84.072, 84.970 by changing the saturation by 10% instead.

 82, 84.072, 84.970

 82, 84.072, 84.970

 100, 84.072,
84.970

 72, 84.072, 84.970

 62, 84.072, 84.970

 52, 84.072, 84.970

 42, 84.072, 84.970

 32, 84.072, 84.970

 22, 84.072, 84.970

 12, 84.072, 84.970

 2, 84.072, 84.970

 0, 84.072, 84.970

82, 84.072, 84.970

82, 84.072, 84.970

82, 83.960, 84.960

83, 81.847, 86.745

85, 76.992, 88.319

87, 69.723, 89.751

88, 60.895, 91.112

90, 51.191, 92.436

92, 41.057, 93.734

94, 30.753, 95.007

95, 20.427, 96.248

97, 10.159, 97.448

Harmonies

Complementary

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



82, 84.072, 84.970



38, 114.815, 301.987

Rectangle

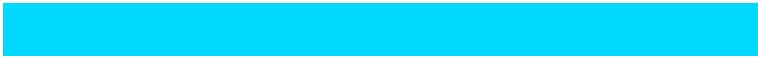
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 84.072, 84.970



82, 84.072, 134.970



82, 84.072, 264.970



82, 84.072, 314.970

Sweetspot

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



82, 83.960, 84.960



94, 30.894, 95.005



53, 91.446, 28.041



49, 21.096, 94.472



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82, 83.960, 84.960



82, 84.317, 84.953



92, 100.931, 118.490



52, 5.800, 97.506



63, 68.012, 85.310



21, 29.872, 87.609

Inverse Universe

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



38, 114.815, 301.987



38, 115.337, 301.995



35, 130.299, 307.761



50, 5.855, 279.833



28, 91.453, 301.513



6, 36.550, 296.692

Previews

White Background



This preview shows how the CIELCh color 82, 84.072, 84.970 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 82, 84.072, 84.970 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 82, 84.072, 84.970

Background



This preview shows how black text looks on a background with the CIELCh color 82, 84.072, 84.970.



This preview shows how white text looks on a background with the CIELCh color 82, 84.072, 84.970.

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

82, 84.072, 84.970

Protanopia

82, 81.786, 95.216

Deuteranopia

82, 71.597, 81.948

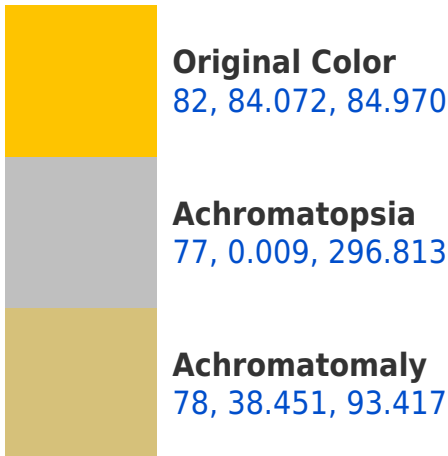


Tritanopia
82, 26.785, 9.296

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 84.072, 84.970 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(254, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 196, 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(254, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 196, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 84.072, 84.970 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(254, 196, 0) }
```

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

```
.border{ border-color:rgb(254, 196, 0) }
```

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

Here you see how a box with a 4 pixel rgb(254, 196, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 196,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 84.072, 84.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 196, 0) }
```

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

```
.background{ background-color: rgb(254,  
196, 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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