

Converting Colors

CIELCh(81, 82.322, 82.672)

Have a look what the booklet for
CIELCh(81, 82.322, 82.672) contains.

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Color

CIELCh(81, 82.322, 82.672)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFBF0E |
| RGB | 255, 191, 14 |
| RGB Percent | 100%, 75%, 5% |
| CMY | 0.0006, 0.2514, 0.9463 |
| CMYK | 0.00, 0.25, 0.95, 0.00 |
| HSL | 44°, 100%, 53% |
| HSV | 44°, 95%, 100% |
| XYZ | 59.8681, 58.4711, 8.5343 |
| YIQ | 189.9580, 94.9610, -41.4790 |

Conversions

Conversions Part 2

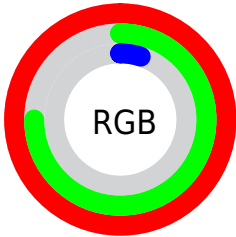
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 101, 255, 14 |
| Decimal | 16760590 |
| CIE Lab | 81.00, 10.50, 81.65 |
| CIE LCh | 81, 82.322, 82.672 |
| Yxy | 58.4711, 0.4719, 0.4609 |
| Android (android.graphics.Color) | 4294950670 (0xFFFFBF0E) |
| YUV | 189.9580, -86.7473, 57.0418 |
| Hunter-Lab | 76.4664, 5.9375, 46.9092 |

Details

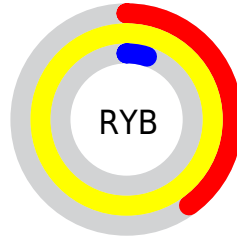
The CIELCh color **81, 82.322, 82.672** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle saturated orange. A complement of this color would be **42, 104.177, 298.977**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 75.716, 101.741**, and **61, 67.352, 80.107** is the 20% darker color. If you saturate the color by 10%, you get **80, 83.313, 81.531**, and if you desaturate by 10%, it is **83, 78.596, 84.588**.

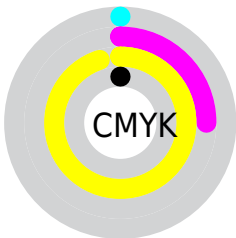
Distribution



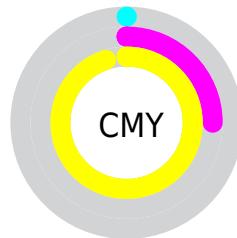
- Red (100%)
- Green (75%)
- Blue (5%)



- Red (40%)
- Yellow (100%)
- Blue (5%)



- Cyan (0%)
- Magenta (25%)
- Yellow (95%)
- Black (0%)



- Cyan (0%)
- Magenta (25%)
- Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 82.322, 82.672 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 81, 82.322, 82.672 by changing the saturation by 10% instead.

 81, 82.322, 82.672

 81, 82.322, 82.672

 100, 82.322,
82.672

 71, 82.322, 82.672

 61, 82.322, 82.672

 51, 82.322, 82.672

 41, 82.322, 82.672

 31, 82.322, 82.672

 21, 82.322, 82.672

 11, 82.322, 82.672

 1, 82.322, 82.672

 0, 82.322, 82.672

81, 82.322, 82.672

81, 82.322, 82.672

80, 83.313, 81.531

83, 78.596, 84.588

84, 72.139, 86.232

86, 63.829, 87.726

88, 54.467, 89.142

90, 44.591, 90.511

92, 34.521, 91.845

94, 24.432, 93.144

97, 14.418, 94.402

99, 4.524, 95.590

Harmonies

Complementary

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



81, 82.322, 82.672



42, 104.177, 298.977

Rectangle

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



81, 82.322, 82.672



81, 82.322, 132.672



81, 82.322, 262.672



81, 82.322, 312.672

Sweetspot

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



81, 82.321, 82.675



94, 27.838, 92.710



54, 87.255, 22.276



49, 19.259, 92.149



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 82.321, 82.675



80, 83.348, 81.530



93, 99.085, 116.254



52, 5.583, 95.026



62, 67.213, 81.957



20, 29.167, 84.506

Inverse Universe

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



42, 104.177, 298.977



40, 110.202, 300.578



36, 128.713, 307.467



50, 5.618, 277.422



30, 87.281, 300.041



7, 34.984, 295.248

Previews

White Background



This preview shows how the CIELCh color 81, 82.322, 82.672 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 81, 82.322, 82.672 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 81, 82.322, 82.672

Background



This preview shows how black text looks on a background with the CIELCh color 81, 82.322, 82.672.



This preview shows how white text looks on a background with the CIELCh color 81, 82.322, 82.672.

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

81, 82.322, 82.672

Protanopia

81, 80.124, 95.104

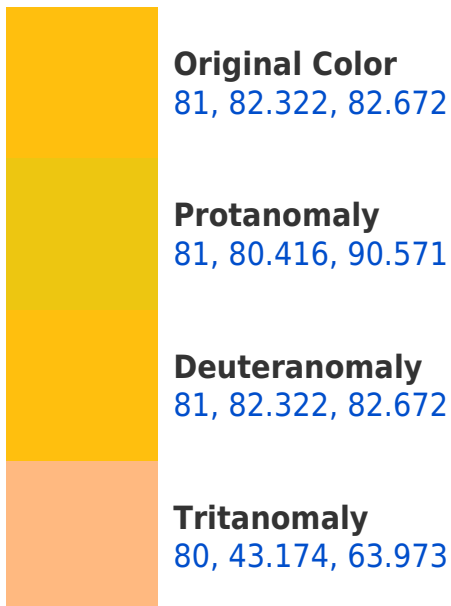
Deuteranopia

81, 82.322, 82.672



Tritanopia
81, 28.417, 10.186

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 82.322, 82.672 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, 191, 14)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 14)  
}
```

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, 191, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 82.322, 82.672 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, 191, 14) }
```

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

```
.border{ border-color:rgb(255, 191, 14) }
```

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

Here you see how a box with a 4 pixel rgb(255, 191, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 14);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 82.322, 82.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 14) }
```

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

```
.background{ background-color: rgb(255,  
191, 14) }
```

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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