

# Converting Colors

CIELCh(79, 81.338, 84.389)

Have a look what the booklet for  
CIELCh(79, 81.338, 84.389) contains.

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**Color**

**CIELCh(79, 81.375, 84.214)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5BB02
RGB	245, 187, 2
RGB Percent	96%, 73%, 1%
CMY	0.0394, 0.2668, 0.9926
CMYK	0.00, 0.24, 0.99, 0.04
HSL	46°, 98%, 48%
HSV	46°, 99%, 96%
XYZ	55.4089, 54.9284, 7.7353
YIQ	183.2520, 93.9530, -45.2390

# Conversions

## Conversions Part 2

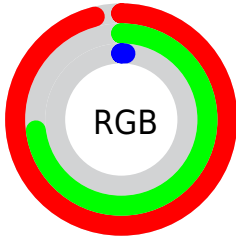
Format	Color
R <sub>Y</sub> B	78, 245, 2
Decimal	16104194
CIE Lab	79.00, 8.20, 80.96
CIE LCh	79, 81.375, 84.214
Yxy	54.9284, 0.4693, 0.4652
Android (android.graphics.Color)	4294294274 (0xFFFF5BB02)
YUV	183.2520, -89.3572, 54.1530
Hunter-Lab	74.1137, 3.7513, 45.6915

# Details

The CIELCh color **79, 81.375, 84.214** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **38, 109.534, 301.371**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 75.811, 100.391**, and **59, 65.014, 81.801** is the 20% darker color. If you saturate the color by 10%, you get **79, 81.510, 84.072**, and if you desaturate by 10%, it is **80, 79.061, 86.058**.

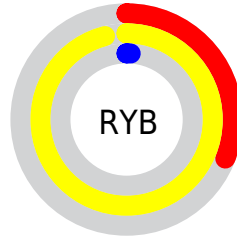
# Distribution



Red (96%)

Green (73%)

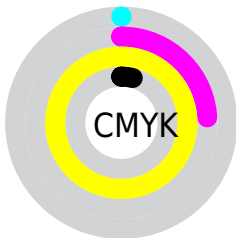
Blue (1%)



Red (31%)

Yellow (96%)

Blue (1%)

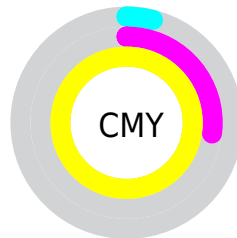


Cyan (0%)

Magenta (24%)

Yellow (99%)

Black (4%)



Cyan (4%)

Magenta (27%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 81.375, 84.214 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 79, 81.375, 84.214 by changing the saturation by 10% instead.



 79, 81.375, 84.214

 79, 81.375, 84.214

 100, 81.375,  
84.214

 69, 81.375, 84.214

 99, 81.375, 84.214

 59, 81.375, 84.214

 49, 81.375, 84.214

 39, 81.375, 84.214

 29, 81.375, 84.214

 19, 81.375, 84.214

 9, 81.375, 84.214

 0, 81.375, 84.214

 79, 81.375, 84.214

 79, 81.375, 84.214

79, 81.510, 84.072

80, 79.061, 86.058

82, 74.041, 87.665

84, 66.773, 89.122

85, 58.091, 90.501

87, 48.635, 91.839

89, 38.811, 93.148

91, 28.856, 94.429

93, 18.902, 95.677

95, 9.020, 96.880

# Harmonies

# Complementary

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



79, 81.375, 84.214



38, 109.534, 301.371

# Rectangle

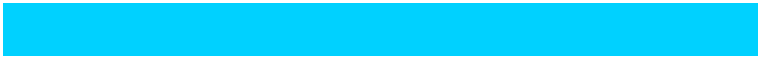
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79, 81.375, 84.214



79, 81.375, 134.214



79, 81.375, 264.214



79, 81.375, 314.214

# Sweetspot

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



79, 81.374, 84.217



94, 30.603, 94.324



52, 87.655, 26.155



49, 20.903, 93.785



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



79, 81.374, 84.217



82, 84.017, 84.025



90, 97.647, 117.529



50, 5.550, 96.850



61, 66.426, 84.442



19, 27.360, 86.995





# Inverse Universe

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



38, 109.534, 301.371



39, 113.971, 301.629



33, 126.832, 307.601



48, 5.598, 279.186



28, 88.383, 301.077



6, 33.088, 294.808



# Previews

## White Background



This preview shows how the CIELCh color 79, 81.375, 84.214 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 79, 81.375, 84.214 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 79, 81.375, 84.214

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 81.375, 84.214.



This preview shows how white text looks on a background with the CIELCh color 79, 81.375, 84.214.

# 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

79, 81.375, 84.214

### Protanopia

79, 79.035, 94.886

### Deuteranopia

79, 81.083, 82.867



**Tritanopia**  
79, 31.429, 9.706



# Trichromacy



**Original Color**  
79, 81.375, 84.214

**Protanomaly**  
79, 79.593, 90.957

**Deuteranomaly**  
79, 81.203, 83.199

**Tritanomaly**  
79, 44.956, 63.867

# Monochromacy



**Original Color**  
79, 81.375, 84.214

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
75, 36.864, 92.080

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 81.375, 84.214 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(245, 187, 2)` looks like.

```
.text, #text, p{  
    color:rgb(245, 187, 2)  
}
```

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(245, 187, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 187, 2) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 81.375, 84.214 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(245, 187, 2) }
```

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

```
.border{ border-color:rgb(245, 187, 2) }
```

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

Here you see how a box with a 4 pixel rgb(245, 187, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 187, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 187, 2);  
box-shadow:4px 4px 4px 4px rgb(245, 187,  
2) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 81.375, 84.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 187, 2) }
```

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

```
.background{ background-color: rgb(245,  
187, 2) }
```

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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