

# Converting Colors

CIELCh(79, 81.078, 84.872)

Have a look what the booklet for  
CIELCh(79, 81.078, 84.872) contains.

<b>CIELCh(79, 81.079, 85.167)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

# **Color**

**CIELCh(79, 81.079, 85.167)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3BC03
RGB	243, 188, 3
RGB Percent	95%, 74%, 1%
CMY	0.0478, 0.2633, 0.9900
CMYK	0.00, 0.23, 0.99, 0.05
HSL	46°, 98%, 48%
HSV	46°, 99%, 95%
XYZ	54.8644, 54.9284, 7.7829
YIQ	183.3550, 92.1650, -45.8750

# Conversions

## Conversions Part 2

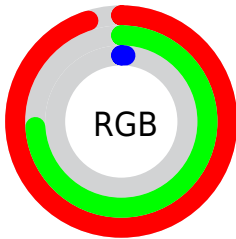
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	74, 243, 3
Decimal	15973379
CIE Lab	79.00, 6.83, 80.79
CIE LCh	79, 81.079, 85.167
Yxy	54.9284, 0.4666, 0.4672
Android (android.graphics.Color)	4294163459 (0xFFFF3BC03)
YUV	183.3550, -88.9150, 52.3087
Hunter-Lab	74.1137, 2.4399, 45.6534

# Details

The CIELCh color **79, 81.079, 85.167** 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 **37, 109.765, 301.651**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 76.154, 100.716**, and **59, 64.738, 83.070** is the 20% darker color. If you saturate the color by 10%, you get **79, 81.258, 84.981**, and if you desaturate by 10%, it is **80, 78.762, 86.929**.

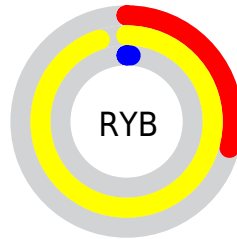
# Distribution



Red (95%)

Green (74%)

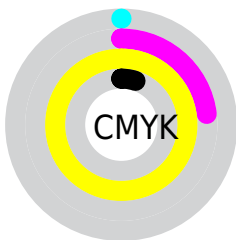
Blue (1%)



Red (29%)

Yellow (95%)

Blue (1%)

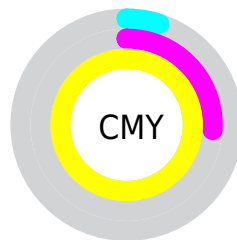


Cyan (0%)

Magenta (23%)

Yellow (99%)

Black (5%)



Cyan (5%)

Magenta (26%)

Yellow (99%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 81.079, 85.167 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, 81.079, 85.167 by changing the saturation by 10% instead.



 79, 81.079, 85.167

 79, 81.079, 85.167

 100, 81.079,  
85.167

 69, 81.079, 85.167

 99, 81.079, 85.167

 59, 81.079, 85.167

 49, 81.079, 85.167

 39, 81.079, 85.167

 29, 81.079, 85.167

 19, 81.079, 85.167

 9, 81.079, 85.167

 0, 81.079, 85.167

 79, 81.079, 85.167

 79, 81.079, 85.167

79, 81.258, 84.981

80, 78.762, 86.929

82, 73.741, 88.478

83, 66.496, 89.896

85, 57.841, 91.249

87, 48.407, 92.567

88, 38.594, 93.860

90, 28.640, 95.127

92, 18.676, 96.362

94, 8.774, 97.554

# Harmonies

# Complementary

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



79, 81.079, 85.167



37, 109.765, 301.651

# Rectangle

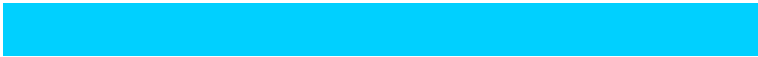
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79, 81.079, 85.167



79, 81.079, 135.167



79, 81.079, 265.167



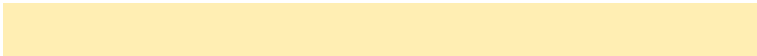
79, 81.079, 315.167

# Sweetspot

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



79, 81.078, 85.170



94, 30.885, 94.986



51, 87.810, 27.346



49, 21.090, 94.452



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, 81.078, 85.170



82, 84.308, 84.926



89, 97.393, 118.356



50, 5.607, 97.492



62, 66.660, 85.323



19, 27.555, 87.812





# Inverse Universe

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



37, 109.765, 301.651



38, 115.297, 301.984



33, 125.533, 307.789



48, 5.660, 279.809



27, 89.445, 301.449



6, 33.417, 295.116



# Previews

## White Background



This preview shows how the CIELCh color 79, 81.079, 85.167 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, 81.079, 85.167 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, 81.079, 85.167

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 81.079, 85.167.



This preview shows how white text looks on a background with the CIELCh color 79, 81.079, 85.167.

# 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, 81.079, 85.167

### Protanopia

79, 79.145, 94.887

### Deuteranopia

79, 80.781, 82.822



**Tritanopia**  
79, 30.254, 9.080



# Trichromacy



**Original Color**  
79, 81.079, 85.167

**Protanomaly**  
79, 79.489, 91.270

**Deuteranomaly**  
79, 80.851, 83.830

**Tritanomaly**  
79, 43.954, 65.018

# Monochromacy



**Original Color**  
79, 81.079, 85.167

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
75, 37.109, 93.508

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 81.079, 85.167 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(243, 188, 3)` looks like.

```
.text, #text, p{  
    color:rgb(243, 188, 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(243, 188, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 188, 3) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 81.079, 85.167 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(243, 188, 3) }
```

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

```
.border{ border-color:rgb(243, 188, 3) }
```

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

Here you see how a box with a 4 pixel rgb(243, 188, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 188, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 188, 3);  
box-shadow:4px 4px 4px 4px rgb(243, 188,  
3) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 81.079, 85.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 188, 3) }
```

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

```
.background{ background-color: rgb(243,  
188, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor