

# Converting Colors

CIELCh(79, 82.460, 79.445)

Have a look what the booklet for  
CIELCh(79, 82.460, 79.445) contains.

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# **Color**

**CIELCh(79, 82.362, 79.426)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB607
RGB	255, 182, 7
RGB Percent	100%, 71%, 3%
CMY	0.0000, 0.2850, 0.9726
CMYK	0.00, 0.29, 0.97, 0.00
HSL	42°, 100%, 51%
HSV	42°, 97%, 100%
XYZ	58.2047, 54.9284, 7.7344
YIQ	183.8770, 99.6830, -38.9490

# Conversions

## Conversions Part 2

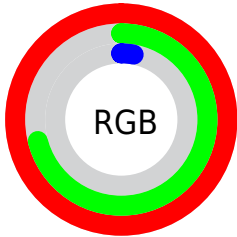
Format	Color
<a href="#">RYB</a>	<a href="#">110, 255, 7</a>
Decimal	<a href="#">16758279</a>
CIELab	<a href="#">79.00, 15.11, 80.96</a>
CIElCh	<a href="#">79, 82.362, 79.426</a>
Yxy	<a href="#">54.9284, 0.4816, 0.4545</a>
Android (android.graphics.Color)	<a href="#">4294948359</a> ( <a href="#">0xFFFFB607</a> )
YUV	<a href="#">183.8770, -87.2004, 62.3749</a>
Hunter-Lab	<a href="#">74.1137, 10.4848, 45.6921</a>

# Details

The CIELCh color **79, 82.362, 79.426** 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 **43, 103.083, 298.506**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 73.752, 98.712**, and **59, 66.690, 76.052** is the 20% darker color. If you saturate the color by 10%, you get **78, 82.854, 78.889**, and if you desaturate by 10%, it is **81, 79.133, 81.720**.

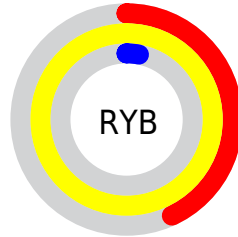
# Distribution



Red (100%)

Green (71%)

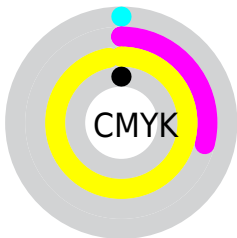
Blue (3%)



Red (43%)

Yellow (100%)

Blue (3%)

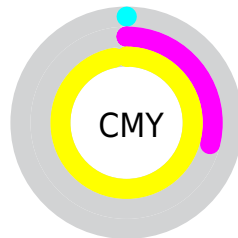


Cyan (0%)

Magenta (29%)

Yellow (97%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (97%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 82.362, 79.426 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, 82.362, 79.426 by changing the saturation by 10% instead.



 79, 82.362, 79.426

 79, 82.362, 79.426

 100, 82.362,  
79.426

 69, 82.362, 79.426

 99, 82.362, 79.426

 59, 82.362, 79.426

 49, 82.362, 79.426

 39, 82.362, 79.426

 29, 82.362, 79.426

 19, 82.362, 79.426

 9, 82.362, 79.426

 0, 82.362, 79.426

 79, 82.362, 79.426

 79, 82.362, 79.426

78, 82.854, 78.889

81, 79.133, 81.720

83, 73.128, 83.540

85, 65.109, 85.142

87, 55.944, 86.627

89, 46.231, 88.046

91, 36.321, 89.421

93, 26.408, 90.758

96, 16.590, 92.053

98, 6.915, 93.290

# Harmonies

# Complementary

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



79, 82.362, 79.426



43, 103.083, 298.506

# Rectangle

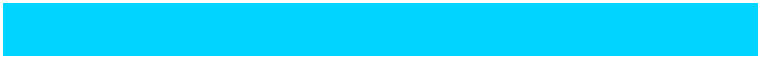
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79, 82.362, 79.426



79, 82.362, 129.426



79, 82.362, 259.426



79, 82.362, 309.426

# Sweetspot

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



79, 82.286, 79.529



93, 28.126, 90.529



54, 87.086, 20.829



49, 19.353, 89.960



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, 82.286, 79.529



78, 82.854, 78.889



94, 98.943, 114.702



52, 5.426, 93.021



60, 66.793, 79.367



20, 28.691, 82.051





# Inverse Universe

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



43, 103.083, 298.506



42, 106.083, 299.351



34, 130.697, 307.116



50, 5.447, 275.467



31, 83.963, 298.775



7, 33.696, 293.921



# Previews

## White Background



This preview shows how the CIELCh color 79, 82.362, 79.426 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, 82.362, 79.426 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, 82.362, 79.426

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 82.362, 79.426.



This preview shows how white text looks on a background with the CIELCh color 79, 82.362, 79.426.

# 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, 82.264, 79.408

### Protanopia

79, 78.538, 94.882

### Deuteranopia

79, 81.970, 82.996



**Tritanopia**  
79, 31.716, 12.736



# Trichromacy



**Original Color**  
79, 82.264, 79.408

**Protanomaly**  
79, 79.147, 89.245

**Deuteranomaly**  
79, 82.113, 81.721

**Tritanomaly**  
78, 46.232, 60.960

# Monochromacy



**Original Color**  
79, 82.264, 79.408

**Achromatopsia**  
75, 0.009, 296.813

**Achromatomaly**  
75, 35.568, 88.183

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 82.362, 79.426 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, 182, 7)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 7)  
}
```

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, 182, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 7) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 82.362, 79.426 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, 182, 7) }
```

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

```
.border{ border-color:rgb(255, 182, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 182, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 7);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
7) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 82.362, 79.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 7) }
```

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

```
.background{ background-color: rgb(255,  
182, 7) }
```

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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