

# Converting Colors

CIELCh(79, 75.280, 81.885)

Have a look what the booklet for  
CIELCh(79, 75.280, 81.885) contains.

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# **Color**

**CIELCh(79, 75.378, 82.269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7BA28
RGB	247, 186, 40
RGB Percent	97%, 73%, 16%
CMY	0.0322, 0.2713, 0.8440
CMYK	0.00, 0.25, 0.84, 0.03
HSL	42°, 93%, 56%
HSV	42°, 84%, 97%
XYZ	56.1831, 54.9284, 9.6274
YIQ	187.5950, 83.2220, -32.4740

# Conversions

## Conversions Part 2

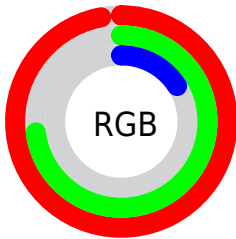
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	126, 247, 40
Decimal	16235048
CIE Lab	79.00, 10.14, 74.69
CIE LCh	79, 75.378, 82.269
Yxy	54.9284, 0.4653, 0.4549
Android (android.graphics.Color)	4294425128 (0xFFFF7BA28)
YUV	187.5950, -72.7643, 52.0982
Hunter-Lab	74.1137, 5.6159, 44.1778

# Details

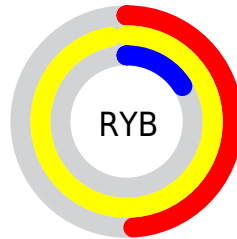
The CIELCh color **79, 75.378, 82.269** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **48, 85.345, 293.801**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 69.200, 100.208**, and **59, 65.328, 80.547** is the 20% darker color. If you saturate the color by 10%, you get **77, 79.490, 80.224**, and if you desaturate by 10%, it is **81, 68.724, 84.001**.

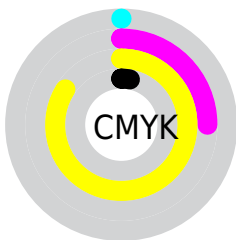
# Distribution



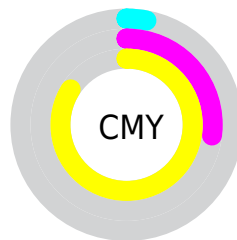
- Red (97%)
- Green (73%)
- Blue (16%)



- Red (49%)
- Yellow (97%)
- Blue (16%)



- Cyan (0%)
- Magenta (25%)
- Yellow (84%)
- Black (3%)



- Cyan (3%)
- Magenta (27%)
- Yellow (84%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 75.378, 82.269 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, 75.378, 82.269 by changing the saturation by 10% instead.



 79, 75.378, 82.269

 79, 75.378, 82.269

 100, 75.378,  
82.269

 69, 75.378, 82.269

 99, 75.378, 82.269

 59, 75.378, 82.269

 49, 75.378, 82.269

 39, 75.378, 82.269

 29, 75.378, 82.269

 19, 75.378, 82.269

 9, 75.378, 82.269

 0, 75.378, 82.269

 79, 75.378, 82.269

 79, 75.378, 82.269

77, 79.490, 80.224

81, 68.724, 84.001

76, 80.812, 78.800

83, 60.436, 85.554

85, 51.273, 87.012

87, 41.723, 88.414

89, 32.064, 89.775

92, 22.444, 91.097

94, 12.939, 92.375

96, 3.582, 93.566

98, 2.448, 251.407

# Harmonies

# Complementary

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



79, 75.378, 82.269



48, 85.345, 293.801

# Rectangle

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



79, 75.378, 82.269



79, 75.378, 132.269



79, 75.378, 262.269



79, 75.378, 312.269

# Sweetspot

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



79, 75.377, 82.272



94, 24.144, 90.946



54, 78.609, 13.713



49, 16.515, 90.484



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, 75.377, 82.272



78, 82.834, 78.751



91, 91.676, 113.913



50, 5.239, 92.918



59, 65.452, 79.284



18, 26.352, 82.075





# Inverse Universe

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



48, 85.345, 293.801



42, 105.866, 299.284



38, 117.282, 306.696



48, 5.259, 275.357



30, 81.961, 298.642



7, 31.028, 292.662



# Previews

## White Background



This preview shows how the CIELCh color 79, 75.378, 82.269 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, 75.378, 82.269 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, 75.378, 82.269**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 79, 75.378, 82.269.



This preview shows how white text looks on a background with the CIELCh color 79, 75.378, 82.269.

# 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, 75.378, 82.269

### Protanopia

79, 73.026, 95.140

### Deuteranopia

79, 75.378, 82.269



**Tritanopia**  
79, 32.226, 10.110



# Trichromacy



**Original Color**  
79, 75.378, 82.269

**Protanomaly**  
79, 73.287, 90.164

**Deuteranomaly**  
79, 75.378, 82.269

**Tritanomaly**  
79, 40.194, 57.002

# Monochromacy



**Original Color**  
79, 75.378, 82.269

**Achromatopsia**  
76, 0.009, 296.813

**Achromatomaly**  
77, 30.232, 89.871

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 75.378, 82.269 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(247, 186, 40)` looks like.

```
.text, #text, p{  
    color:rgb(247, 186, 40)  
}
```

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(247, 186, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 186, 40) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 75.378, 82.269 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(247, 186, 40) }
```

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

```
.border{ border-color:rgb(247, 186, 40) }
```

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

Here you see how a box with a 4 pixel rgb(247, 186, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 186, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 186, 40);  
box-shadow:4px 4px 4px 4px rgb(247, 186,  
40) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 75.378, 82.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 186, 40) }
```

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

```
.background{ background-color: rgb(247,  
186, 40) }
```

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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