

Converting Colors

CIELCh(79, 82.391, 79.085)

Have a look what the booklet for
CIELCh(79, 82.391, 79.085) contains.

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Color

CIELCh(79, 82.166, 79.390)

Conversions

Conversions Part 1

Format	Color
Hex	FFB609
RGB	255, 182, 9
RGB Percent	100%, 71%, 4%
CMY	0.0000, 0.2850, 0.9648
CMYK	0.00, 0.29, 0.96, 0.00
HSL	42°, 100%, 52%
HSV	42°, 96%, 100%
XYZ	58.2108, 54.9284, 7.7912
YIQ	184.1050, 99.0410, -38.3270

Conversions

Conversions Part 2

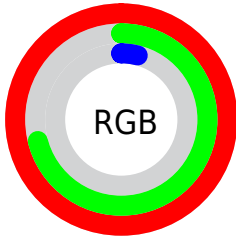
Format	Color
R _Y B	113, 255, 9
Decimal	16758281
CIE Lab	79.00, 15.13, 80.76
CIE LCh	79, 82.166, 79.390
Yxy	54.9284, 0.4814, 0.4542
Android (android.graphics.Color)	4294948361 (0xFFFFB609)
YUV	184.1050, -86.3268, 62.1749
Hunter-Lab	74.1137, 10.4995, 45.6467

Details

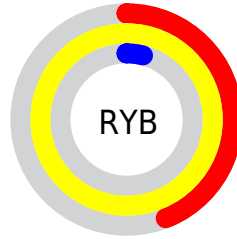
The CIELCh color **79, 82.166, 79.390** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **43, 101.861, 298.136**, and the grayscale version is **75, 0.009, 296.813**.

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, 82.821, 78.660**, and if you desaturate by 10%, it is **81, 78.699, 81.665**.

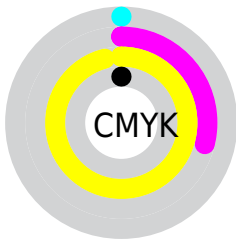
Distribution



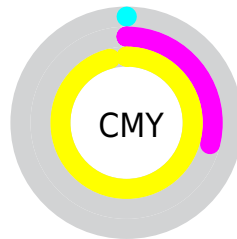
- Red (100%)
- Green (71%)
- Blue (4%)



- Red (44%)
- Yellow (100%)
- Blue (4%)



- Cyan (0%)
- Magenta (29%)
- Yellow (96%)
- Black (0%)



- Cyan (0%)
- Magenta (29%)
- Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 82.166, 79.390 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, 82.166, 79.390 by changing the saturation by 10% instead.

79, 82.166, 79.390

79, 82.166, 79.390

100, 82.166,
79.390

69, 82.166, 79.390

99, 82.166, 79.390

59, 82.166, 79.390

49, 82.166, 79.390

39, 82.166, 79.390

29, 82.166, 79.390

19, 82.166, 79.390

9, 82.166, 79.390

0, 82.166, 79.390

79, 82.166, 79.390

79, 82.166, 79.390

78, 82.821, 78.660

81, 78.699, 81.665

83, 72.485, 83.472

85, 64.338, 85.068

87, 55.112, 86.550

89, 45.379, 87.969

91, 35.475, 89.344

94, 25.582, 90.679

96, 15.793, 91.973

98, 6.152, 93.204

Harmonies

Complementary

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



79, 82.166, 79.390



43, 101.861, 298.136

Rectangle

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



79, 82.166, 79.390



79, 82.166, 129.390



79, 82.166, 259.390



79, 82.166, 309.390

Sweetspot

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



79, 82.092, 79.490



93, 28.065, 90.347



54, 86.757, 20.387



49, 19.313, 89.778



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, 82.092, 79.490



78, 82.821, 78.660



94, 98.772, 114.639



52, 5.413, 92.843



60, 66.765, 79.143



20, 28.652, 81.835

Inverse Universe

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



43, 101.861, 298.136



42, 105.721, 299.239



35, 130.312, 307.117



50, 5.432, 275.293



31, 83.672, 298.659



7, 33.581, 293.796

Previews

White Background



This preview shows how the CIELCh color 79, 82.166, 79.390 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, 82.166, 79.390 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, 82.166, 79.390

Background



This preview shows how black text looks on a background with the CIELCh color 79, 82.166, 79.390.



This preview shows how white text looks on a background with the CIELCh color 79, 82.166, 79.390.

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, 82.068, 79.371

Protanopia

79, 78.399, 94.880

Deuteranopia

79, 81.970, 82.996



Tritanopia
79, 31.716, 12.736

Trichromacy



Original Color
79, 82.068, 79.371

Protanomaly
79, 78.907, 89.227

Deuteranomaly
79, 82.113, 81.721

Tritanomaly
78, 46.232, 60.960

Monochromacy



Original Color
79, 82.068, 79.371

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, 82.166, 79.390 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, 9)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 9)  
}
```

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, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 82.166, 79.390 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, 9) }
```

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

```
.border{ border-color:rgb(255, 182, 9) }
```

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, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 9);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
9) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 82.166, 79.390 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, 9) }
```

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

```
.background{ background-color: rgb(255,  
182, 9) }
```

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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