

Converting Colors

CIELCh(79, 82.924, 79.344)

Have a look what the booklet for
CIELCh(79, 82.924, 79.344) contains.

CIELCh(79, 82.756, 79.499)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(79, 82.756, 79.499)

Conversions

Conversions Part 1

Format	Color
Hex	FFB603
RGB	255, 182, 3
RGB Percent	100%, 71%, 1%
CMY	0.0000, 0.2850, 0.9882
CMYK	0.00, 0.28, 0.99, 0.00
HSL	43°, 100%, 51%
HSV	43°, 99%, 100%
XYZ	58.1918, 54.9284, 7.6211
YIQ	183.4210, 100.9670, -40.1930

Conversions

Conversions Part 2

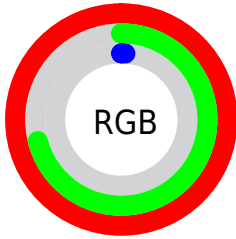
Format	Color
R_{YB}	106, 255, 3
Decimal	16758275
CIE _{Lab}	79.00, 15.08, 81.37
CIE _{LCh}	79, 82.756, 79.499
Yxy	54.9284, 0.4820, 0.4549
Android (android.graphics.Color)	4294948355 (0xFFFFB603)
YUV	183.4210, -88.9476, 62.7748
Hunter-Lab	74.1137, 10.4538, 45.7828

Details

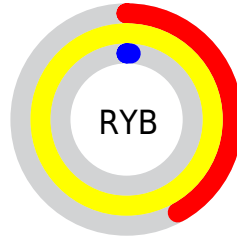
The CIELCh color **79, 82.756, 79.499** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **42, 105.499, 299.214**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 74.503, 98.704**, and **59, 66.690, 76.052** is the 20% darker color. If you saturate the color by 10%, you get **79, 82.922, 79.335**, and if you desaturate by 10%, it is **81, 79.938, 81.818**.

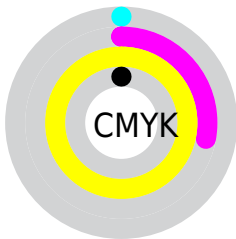
Distribution



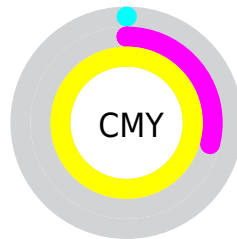
- Red (100%)
- Green (71%)
- Blue (1%)



- Red (42%)
- Yellow (100%)
- Blue (1%)



- Cyan (0%)
- Magenta (28%)
- Yellow (99%)
- Black (0%)



- Cyan (0%)
- Magenta (29%)
- Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 82.756, 79.499 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, 82.756, 79.499 by changing the saturation by 10% instead.

79, 82.756, 79.499

79, 82.756, 79.499

100, 82.756,
79.499

69, 82.756, 79.499

99, 82.756, 79.499

59, 82.756, 79.499

49, 82.756, 79.499

39, 82.756, 79.499

29, 82.756, 79.499

19, 82.756, 79.499

9, 82.756, 79.499

0, 82.756, 79.499

79, 82.756, 79.499

79, 82.756, 79.499

79, 82.922, 79.335

81, 79.938, 81.818

83, 74.369, 83.665

85, 66.622, 85.279

87, 57.595, 86.769

89, 47.930, 88.190

91, 38.015, 89.567

93, 28.065, 90.905

95, 18.192, 92.203

98, 8.451, 93.449

Harmonies

Complementary

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



79, 82.756, 79.499



42, 105.499, 299.214

Rectangle

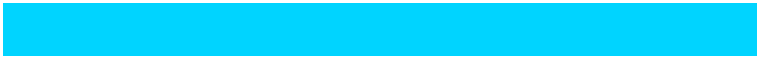
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79, 82.756, 79.499



79, 82.756, 129.499



79, 82.756, 259.499



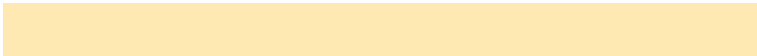
79, 82.756, 309.499

Sweetspot

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



79, 82.677, 79.606



93, 29.237, 90.749



54, 87.762, 21.702



49, 19.998, 90.188



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, 82.677, 79.606



79, 82.922, 79.335



94, 99.286, 114.828



52, 5.452, 93.366



61, 66.853, 79.805



20, 28.767, 82.470

Inverse Universe

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



42, 105.499, 299.214



41, 106.788, 299.567



34, 131.468, 307.120



50, 5.475, 275.804



31, 84.529, 298.997



7, 33.919, 294.160

Previews

White Background



This preview shows how the CIELCh color 79, 82.756, 79.499 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, 82.756, 79.499 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, 82.756, 79.499

Background



This preview shows how black text looks on a background with the CIELCh color 79, 82.756, 79.499.



This preview shows how white text looks on a background with the CIELCh color 79, 82.756, 79.499.

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, 82.657, 79.481

Protanopia

79, 78.670, 94.883

Deuteranopia

79, 81.970, 82.996



Tritanopia
79, 31.716, 12.736

Trichromacy



Original Color
79, 82.657, 79.481

Protanomaly
79, 79.364, 89.261

Deuteranomaly
79, 82.311, 81.753

Tritanomaly
78, 47.024, 61.723

Monochromacy



Original Color
79, 82.657, 79.481

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 36.560, 88.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 82.756, 79.499 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, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 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(255, 182, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 82.756, 79.499 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, 3) }
```

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

```
.border{ border-color:rgb(255, 182, 3) }
```

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, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 82.756, 79.499 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, 3) }
```

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

```
.background{ background-color: rgb(255,  
182, 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](#).

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