

Converting Colors

CIELCh(79, 81.914, 83.385)

Have a look what the booklet for
CIELCh(79, 81.914, 83.385) contains.

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Color

CIELCh(79, 81.798, 83.284)

Conversions

Conversions Part 1

Format	Color
Hex	F7BA00
RGB	247, 186, 0
RGB Percent	97%, 73%, 0%
CMY	0.0311, 0.2703, 0.9992
CMYK	0.00, 0.25, 1.00, 0.03
HSL	45°, 100%, 48%
HSV	45°, 100%, 97%
XYZ	55.9529, 54.9284, 7.6581
YIQ	183.0350, 96.0620, -44.9140

Conversions

Conversions Part 2

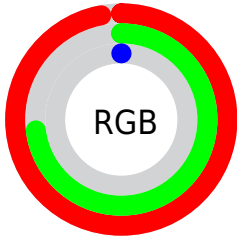
Format	Color
RYB	81, 247, 0
Decimal	16235008
CIELab	79.00, 9.57, 81.24
CIELCh	79, 81.798, 83.284
Yxy	54.9284, 0.4720, 0.4634
Android (android.graphics.Color)	4294425088 (0xFFFF7BA00)
YUV	183.0350, -90.2363, 56.0973
Hunter-Lab	74.1137, 5.0614, 45.7532

Details

The CIELCh color **79, 81.798, 83.284** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle saturated orange. A complement of this color would be **38, 109.866, 301.237**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 75.839, 100.051**, and **59, 65.328, 80.547** is the 20% darker color. If you saturate the color by 10%, you get **79, 81.811, 83.271**, and if you desaturate by 10%, it is **81, 79.559, 85.208**.

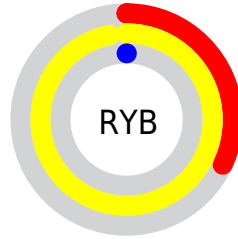
Distribution



Red (97%)

Green (73%)

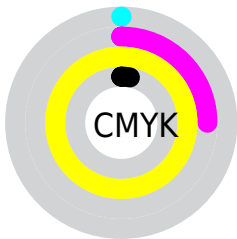
Blue (0%)



Red (32%)

Yellow (97%)

Blue (0%)

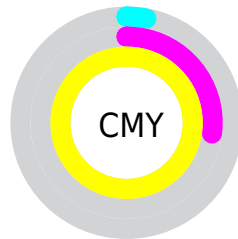


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (3%)



Cyan (3%)

Magenta (27%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 81.798, 83.284 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, 81.798, 83.284 by changing the saturation by 10% instead.

 79, 81.798, 83.284

 79, 81.798, 83.284

 100, 81.798,
83.284

 69, 81.798, 83.284

 99, 81.798, 83.284

 59, 81.798, 83.284

 49, 81.798, 83.284

 39, 81.798, 83.284

 29, 81.798, 83.284

 19, 81.798, 83.284

 9, 81.798, 83.284

 0, 81.798, 83.284

 79, 81.798, 83.284

 79, 81.798, 83.284

79, 81.811, 83.271

81, 79.559, 85.208

82, 74.654, 86.876

84, 67.441, 88.372

86, 58.774, 89.777

87, 49.312, 91.134

89, 39.478, 92.458

91, 29.515, 93.752

93, 19.559, 95.012

95, 9.680, 96.227

Harmonies

Complementary

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



79, 81.798, 83.284



38, 109.866, 301.237

Rectangle

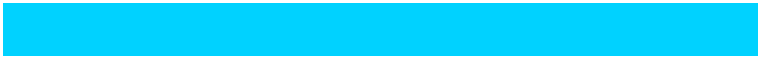
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79, 81.798, 83.284



79, 81.798, 133.284



79, 81.798, 263.284



79, 81.798, 313.284

Sweetspot

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



79, 81.797, 83.287



94, 30.361, 93.736



52, 88.618, 26.554



49, 20.743, 93.193



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, 81.797, 83.287



81, 83.783, 83.233



90, 98.459, 117.600



50, 5.501, 96.280



61, 66.237, 83.668



19, 27.194, 86.272

Inverse Universe

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



38, 109.866, 301.237



39, 112.789, 301.306



33, 128.019, 307.595



48, 5.545, 278.632



28, 87.439, 300.740



6, 32.793, 294.524

Previews

White Background



This preview shows how the CIELCh color 79, 81.798, 83.284 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 CIE LCh color 79, 81.798, 83.284 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, 81.798, 83.284

Background



This preview shows how black text looks on a background with the CIELCh color 79, 81.798, 83.284.



This preview shows how white text looks on a background with the CIELCh color 79, 81.798, 83.284.

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, 81.798, 83.284

Protanopia

79, 79.035, 94.886

Deuteranopia

79, 81.475, 82.925



Tritanopia
79, 32.226, 10.110

Trichromacy



Original Color
79, 81.798, 83.284

Protanomaly
79, 79.499, 90.592

Deuteranomaly
79, 81.672, 82.953

Tritanomaly
78, 46.061, 63.493

Monochromacy



Original Color
79, 81.798, 83.284

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 36.864, 92.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 81.798, 83.284 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 186, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 186, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 81.798, 83.284 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, 0) }
```

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

```
.border{ border-color:rgb(247, 186, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 186,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 81.798, 83.284 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, 0) }
```

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

```
.background{ background-color: rgb(247,  
186, 0) }
```

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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