

Converting Colors

CIELCh(79, 82.888, 79.819)

Have a look what the booklet for
CIELCh(79, 82.888, 79.819) contains.

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Color

CIELCh(79, 82.920, 79.892)

Conversions

Conversions Part 1

Format	Color
Hex	FFB700
RGB	255, 183, 0
RGB Percent	100%, 72%, 0%
CMY	0.0014, 0.2836, 0.9997
CMYK	0.00, 0.28, 1.00, 0.00
HSL	43°, 100%, 50%
HSV	43°, 100%, 100%
XYZ	57.9743, 54.9284, 7.5484
YIQ	183.6660, 101.6550, -41.6490

Conversions

Conversions Part 2

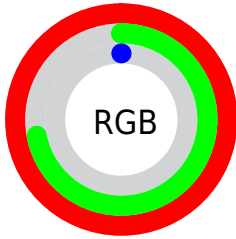
Format	Color
RYB	100, 255, 0
Decimal	16758528
CIELab	79.00, 14.55, 81.63
CIElCh	79, 82.920, 79.892
Yxy	54.9284, 0.4813, 0.4560
Android (android.graphics.Color)	4294948608 (0xFFFFB700)
YUV	183.6660, -90.5473, 62.5599
Hunter-Lab	74.1137, 9.9299, 45.8410

Details

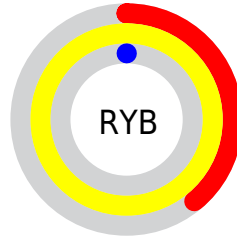
The CIELCh color **79, 82.920, 79.892** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle saturated orange. A complement of this color would be **41, 107.491, 299.817**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 74.833, 99.046**, and **59, 66.718, 76.545** is the 20% darker color. If you saturate the color by 10%, you get **79, 82.925, 79.888**, and if you desaturate by 10%, it is **81, 80.447, 82.094**.

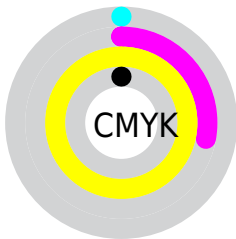
Distribution



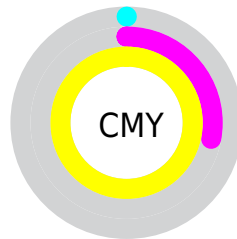
- Red (100%)
- Green (72%)
- Blue (0%)



- Red (39%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (28%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (28%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 82.920, 79.892 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, 82.920, 79.892 by changing the saturation by 10% instead.

 79, 82.920, 79.892

 79, 82.920, 79.892

 100, 82.920,
79.892

 69, 82.920, 79.892

 99, 82.920, 79.892

 59, 82.920, 79.892

 49, 82.920, 79.892

 39, 82.920, 79.892

 29, 82.920, 79.892

 19, 82.920, 79.892

 9, 82.920, 79.892

 0, 82.920, 79.892

 79, 82.920, 79.892

 79, 82.920, 79.892

79, 82.925, 79.888

81, 80.447, 82.094

83, 75.236, 83.949

85, 67.727, 85.567

86, 58.827, 87.056

89, 49.214, 88.475

91, 39.301, 89.849

93, 29.324, 91.185

95, 19.406, 92.483

97, 9.608, 93.732

Harmonies

Complementary

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



79, 82.920, 79.892



41, 107.491, 299.817

Rectangle

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



79, 82.920, 79.892



79, 82.920, 129.892



79, 82.920, 259.892



79, 82.920, 309.892

Sweetspot

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



79, 82.918, 79.895



93, 29.389, 91.181



54, 88.979, 23.821



49, 20.098, 90.622



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, 82.918, 79.895



79, 83.015, 79.886



93, 99.850, 115.839



52, 5.484, 93.788



61, 66.932, 80.345



20, 28.864, 82.984

Inverse Universe

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



41, 107.491, 299.817



41, 107.651, 299.828



34, 131.623, 307.268



50, 5.510, 276.216



30, 85.223, 299.266



7, 34.190, 294.447

Previews

White Background



This preview shows how the CIELCh color 79, 82.920, 79.892 looks on a white background.

Color Contrast Check

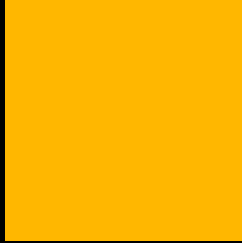
Large Text (above 18pt) WCAG AA × Fail

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, 82.920, 79.892 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, 82.920, 79.892

Background



This preview shows how black text looks on a background with the CIELCh color 79, 82.920, 79.892.



This preview shows how white text looks on a background with the CIELCh color 79, 82.920, 79.892.

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, 83.020, 79.910

Protanopia

79, 78.797, 94.884

Deuteranopia

79, 81.970, 82.996



Tritanopia
79, 31.738, 11.789

Trichromacy



Original Color
79, 83.020, 79.910

Protanomaly
79, 79.464, 89.269

Deuteranomaly
79, 82.228, 82.051

Tritanomaly
78, 47.024, 61.723

Monochromacy



Original Color
79, 83.020, 79.910

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 37.409, 89.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 82.920, 79.892 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, 183, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 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(255, 183, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 82.920, 79.892 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, 183, 0) }
```

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

```
.border{ border-color:rgb(255, 183, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 183, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 82.920, 79.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 183, 0) }
```

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

```
.background{ background-color: rgb(255,  
183, 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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