

Converting Colors

CIELCh(79, 82.752, 79.782)

Have a look what the booklet for
CIELCh(79, 82.752, 79.782) contains.

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Color

CIELCh(79, 82.821, 79.874)

Conversions

Conversions Part 1

Format	Color
Hex	FFB701
RGB	255, 183, 1
RGB Percent	100%, 72%, 0%
CMY	0.0015, 0.2836, 0.9958
CMYK	0.00, 0.28, 1.00, 0.00
HSL	43°, 100%, 50%
HSV	43°, 100%, 100%
XYZ	57.9776, 54.9284, 7.5765
YIQ	183.7800, 101.3340, -41.3380

Conversions

Conversions Part 2

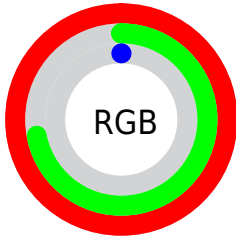
Format	Color
R _Y B	101, 255, 1
Decimal	16758529
CIE Lab	79.00, 14.56, 81.53
CIE LCh	79, 82.821, 79.874
Yxy	54.9284, 0.4812, 0.4559
Android (android.graphics.Color)	4294948609 (0xFFFFB701)
YUV	183.7800, -90.1105, 62.4599
Hunter-Lab	74.1137, 9.9380, 45.8185

Details

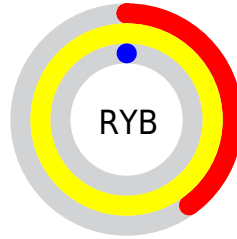
The CIELCh color **79, 82.821, 79.874** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **41, 106.904, 299.654**, and the grayscale version is **75, 0.009, 296.813**.

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, 82.905, 79.782**, and if you desaturate by 10%, it is **81, 80.270, 82.075**.

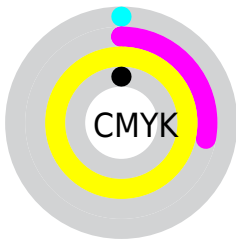
Distribution



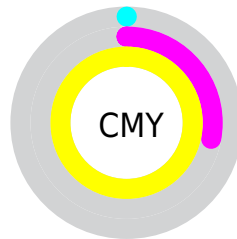
- Red (100%)
- Green (72%)
- Blue (0%)



- Red (40%)
- 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, 82.821, 79.874 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, 82.821, 79.874 by changing the saturation by 10% instead.

 79, 82.821, 79.874

 79, 82.821, 79.874

 100, 82.821,
79.874

 69, 82.821, 79.874

 99, 82.821, 79.874

 59, 82.821, 79.874

 49, 82.821, 79.874

 39, 82.821, 79.874

 29, 82.821, 79.874

 19, 82.821, 79.874

 9, 82.821, 79.874

 0, 82.821, 79.874

 79, 82.821, 79.874

 79, 82.821, 79.874

79, 82.905, 79.782

81, 80.270, 82.075

83, 74.945, 83.924

85, 67.361, 85.538

87, 58.421, 87.025

89, 48.792, 88.444

91, 38.879, 89.818

93, 28.909, 91.154

95, 19.003, 92.451

98, 9.221, 93.698

Harmonies

Complementary

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



79, 82.821, 79.874



41, 106.904, 299.654

Rectangle

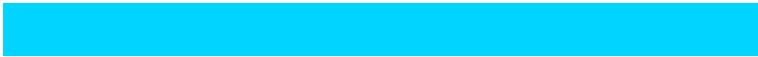
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79, 82.821, 79.874



79, 82.821, 129.874



79, 82.821, 259.874



79, 82.821, 309.874

Sweetspot

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



79, 82.819, 79.877



93, 29.360, 91.099



54, 88.003, 22.119



49, 20.079, 90.539



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, 82.819, 79.877



79, 82.997, 79.780



93, 99.344, 114.888



52, 5.478, 93.708



61, 66.916, 80.241



20, 28.845, 82.886

Inverse Universe

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



41, 106.904, 299.654



41, 107.486, 299.779



34, 131.700, 307.126



50, 5.504, 276.137



30, 85.091, 299.215



7, 34.139, 294.393

Previews

White Background



This preview shows how the CIELCh color 79, 82.821, 79.874 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, 82.821, 79.874 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, 82.821, 79.874

Background



This preview shows how black text looks on a background with the CIELCh color 79, 82.821, 79.874.



This preview shows how white text looks on a background with the CIELCh color 79, 82.821, 79.874.

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, 82.920, 79.892

Protanopia

79, 78.797, 94.884

Deuteranopia

79, 81.970, 82.996



Tritanopia
79, 31.738, 11.789

Trichromacy



Original Color
79, 82.920, 79.892

Protanomaly
79, 79.464, 89.269

Deuteranomaly
79, 82.228, 82.051

Tritanomaly
78, 47.024, 61.723

Monochromacy



Original Color
79, 82.920, 79.892

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 36.913, 89.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 82.821, 79.874 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, 1)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 1)  
}
```

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, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 82.821, 79.874 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, 1) }
```

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

```
.border{ border-color:rgb(255, 183, 1) }
```

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, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 1);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 82.821, 79.874 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, 1) }
```

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

```
.background{ background-color: rgb(255,  
183, 1) }
```

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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