

Converting Colors

CIELCh(81, 79.956, 82.408)

Have a look what the booklet for
CIELCh(81, 79.956, 82.408) contains.

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Color

CIELCh(81, 79.989, 82.310)

Conversions

Conversions Part 1

Format	Color
Hex	FFBF1D
RGB	255, 191, 29
RGB Percent	100%, 75%, 11%
CMY	0.0010, 0.2518, 0.8876
CMYK	0.00, 0.25, 0.89, 0.00
HSL	43°, 100%, 56%
HSV	43°, 89%, 100%
XYZ	59.9534, 58.4711, 9.2662
YIQ	191.6680, 90.1460, -36.8140

Conversions

Conversions Part 2

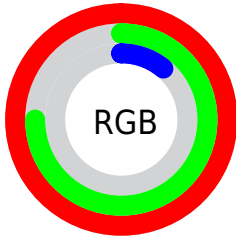
Format	Color
R _Y B	118, 255, 29
Decimal	16760605
CIE Lab	81.00, 10.70, 79.27
CIE LCh	81, 79.989, 82.310
Yxy	58.4711, 0.4695, 0.4579
Android (android.graphics.Color)	4294950685 (0xFFFFBF1D)
YUV	191.6680, -80.1953, 55.5422
Hunter-Lab	76.4664, 6.1366, 46.3417

Details

The CIELCh color **81, 79.989, 82.310** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **46, 94.816, 296.171**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 73.021, 101.862**, and **61, 67.352, 80.107** is the 20% darker color. If you saturate the color by 10%, you get **79, 82.697, 80.141**, and if you desaturate by 10%, it is **83, 74.444, 84.133**.

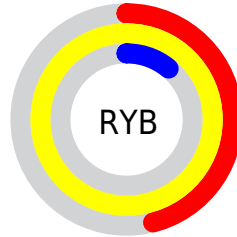
Distribution



Red (100%)

Green (75%)

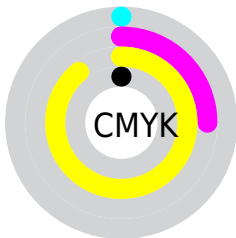
Blue (11%)



Red (46%)

Yellow (100%)

Blue (11%)

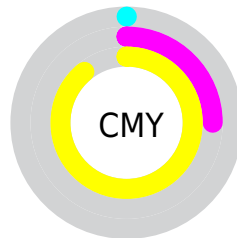


Cyan (0%)

Magenta (25%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (25%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 79.989, 82.310 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 81, 79.989, 82.310 by changing the saturation by 10% instead.

81, 79.989, 82.310

81, 79.989, 82.310

100, 79.989,
82.310

71, 79.989, 82.310

61, 79.989, 82.310

51, 79.989, 82.310

41, 79.989, 82.310

31, 79.989, 82.310

21, 79.989, 82.310

11, 79.989, 82.310

1, 79.989, 82.310

0, 79.989, 82.310

81, 79.989, 82.310

81, 79.989, 82.310

79, 82.697, 80.141

83, 74.444, 84.133

79, 82.951, 79.860

85, 66.715, 85.730

87, 57.694, 87.209

89, 48.023, 88.622

91, 38.091, 89.992

93, 28.113, 91.325

95, 18.206, 92.617

98, 8.424, 93.858

100, 0.084,
207.305

Harmonies

Complementary

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



81, 79.989, 82.310



46, 94.816, 296.171

Rectangle

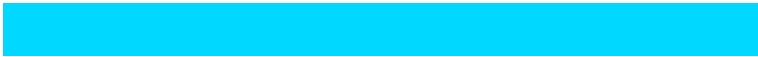
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 79.989, 82.310



81, 79.989, 132.310



81, 79.989, 262.310



81, 79.989, 312.310

Sweetspot

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



81, 79.988, 82.313



94, 26.394, 91.554



55, 83.648, 17.623



49, 17.823, 91.105



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81, 79.988, 82.313



79, 83.010, 79.858



94, 96.659, 114.974



52, 5.482, 93.767



61, 66.928, 80.318



20, 28.859, 82.959

Inverse Universe

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



46, 94.816, 296.171



41, 107.609, 299.815



37, 124.760, 307.184



50, 5.509, 276.196



30, 85.189, 299.253



7, 34.177, 294.433

Previews

White Background



This preview shows how the CIELCh color 81, 79.989, 82.310 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 81, 79.989, 82.310 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 81, 79.989, 82.310

Background



This preview shows how black text looks on a background with the CIELCh color 81, 79.989, 82.310.



This preview shows how white text looks on a background with the CIELCh color 81, 79.989, 82.310.

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

81, 79.989, 82.310

Protanopia

81, 77.822, 95.082

Deuteranopia

81, 80.003, 82.631



Tritanopia
81, 28.417, 10.186

Trichromacy



Original Color
81, 79.989, 82.310

Protanomaly
81, 78.037, 90.420

Deuteranomaly
81, 80.003, 82.631

Tritanomaly
81, 41.163, 61.880

Monochromacy



Original Color
81, 79.989, 82.310

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 32.754, 90.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 79.989, 82.310 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, 191, 29)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 29)  
}
```

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, 191, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 79.989, 82.310 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, 191, 29) }
```

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

```
.border{ border-color:rgb(255, 191, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 191, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 29);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 79.989, 82.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 29) }
```

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

```
.background{ background-color: rgb(255,  
191, 29) }
```

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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