

Converting Colors

CIELCh(82, 80.419, 83.109)

Have a look what the booklet for
CIELCh(82, 80.419, 83.109) contains.

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Color

CIELCh(82, 80.154, 83.433)

Conversions

Conversions Part 1

Format	Color
Hex	FFC31F
RGB	255, 195, 31
RGB Percent	100%, 76%, 12%
CMY	0.0000, 0.2371, 0.8789
CMYK	0.00, 0.24, 0.88, 0.00
HSL	44°, 100%, 56%
HSV	44°, 88%, 100%
XYZ	61.1243, 60.2982, 9.7044
YIQ	194.2440, 88.4040, -38.2840

Conversions

Conversions Part 2

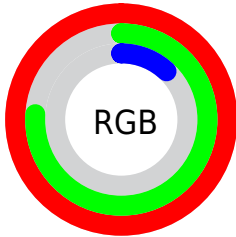
Format	Color
RYB	113, 255, 31
Decimal	16761631
CIELab	82.00, 9.17, 79.63
CIElCh	82, 80.154, 83.433
Yxy	60.2982, 0.4661, 0.4598
Android (android.graphics.Color)	4294951711 (0xFFFFC31F)
YUV	194.2440, -80.4793, 53.2830
Hunter-Lab	77.6519, 4.6169, 46.9467

Details

The CIELCh color **82, 80.154, 83.433** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **46, 95.722, 296.562**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 74.106, 103.172**, and **62, 67.687, 82.035** is the 20% darker color. If you saturate the color by 10%, you get **80, 82.855, 81.561**, and if you desaturate by 10%, it is **84, 74.364, 85.352**.

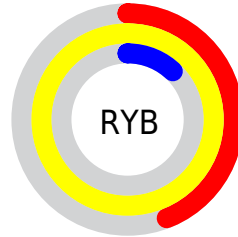
Distribution



Red (100%)

Green (76%)

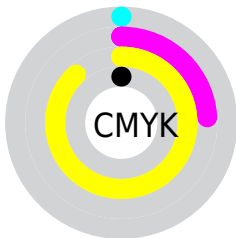
Blue (12%)



Red (44%)

Yellow (100%)

Blue (12%)

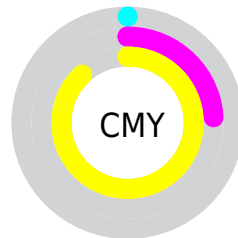


Cyan (0%)

Magenta (24%)

Yellow (88%)

Black (0%)



Cyan (0%)


Magenta (24%)


Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 80.154, 83.433 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 82, 80.154, 83.433 by changing the saturation by 10% instead.

 82, 80.154, 83.433

 82, 80.154, 83.433

 100, 80.154,
83.433

 72, 80.154, 83.433

 62, 80.154, 83.433

 52, 80.154, 83.433

 42, 80.154, 83.433

 32, 80.154, 83.433

 22, 80.154, 83.433

 12, 80.154, 83.433

 2, 80.154, 83.433

 0, 80.154, 83.433

■ 82, 80.154, 83.433

■ 82, 80.154, 83.433

■ 80, 82.855, 81.561

■ 84, 74.364, 85.352

■ 80, 83.254, 81.106

■ 86, 66.538, 86.899

■ 87, 57.441, 88.345

■ 89, 47.696, 89.734

■ 92, 37.682, 91.085

■ 94, 27.612, 92.401

■ 96, 17.599, 93.678

■ 98, 7.701, 94.902

100, 0.012,
296.813

Harmonies

Complementary

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



82, 80.154, 83.433



46, 95.722, 296.562

Rectangle

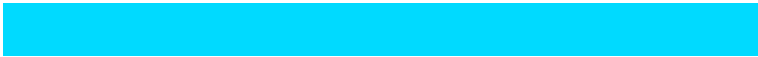
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 80.154, 83.433



82, 80.154, 133.433



82, 80.154, 263.433



82, 80.154, 313.433

Sweetspot

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



82, 80.047, 83.615



94, 25.712, 92.645



55, 83.252, 17.184



49, 17.464, 92.196



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 80.047, 83.615



80, 83.254, 81.106



94, 96.361, 114.928



52, 5.557, 94.710



61, 67.134, 81.541



20, 29.087, 84.116

Inverse Universe

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



46, 95.722, 296.562



40, 109.548, 300.389



38, 124.098, 307.151



50, 5.590, 277.114



30, 86.753, 299.845



7, 34.782, 295.049

Previews

White Background



This preview shows how the CIELCh color 82, 80.154, 83.433 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 82, 80.154, 83.433 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 82, 80.154, 83.433

Background



This preview shows how black text looks on a background with the CIELCh color 82, 80.154, 83.433.



This preview shows how white text looks on a background with the CIELCh color 82, 80.154, 83.433.

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

82, 80.082, 83.787

Protanopia

82, 78.367, 95.189

Deuteranopia

82, 71.938, 82.017

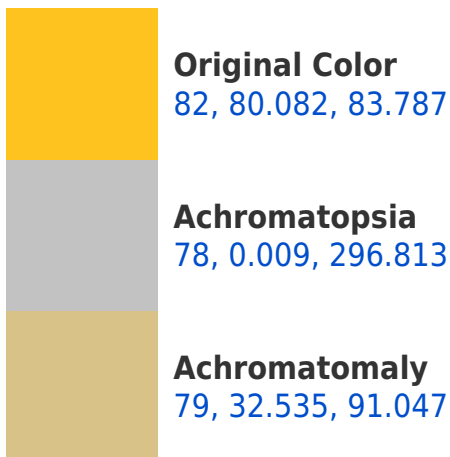


Tritanopia
82, 27.191, 9.525

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 80.154, 83.433 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, 195, 31)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 31)  
}
```

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, 195, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 80.154, 83.433 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, 195, 31) }
```

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

```
.border{ border-color:rgb(255, 195, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 195, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 80.154, 83.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 31) }
```

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

```
.background{ background-color: rgb(255,  
195, 31) }
```

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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