

Converting Colors

CIELCh(82, 67.054, 81.177)

Have a look what the booklet for
CIELCh(82, 67.054, 81.177) contains.

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Color

CIELCh(82, 67.236, 80.984)

Conversions

Conversions Part 1

Format	Color
Hex	FFC249
RGB	255, 194, 73
RGB Percent	100%, 76%, 29%
CMY	0.0002, 0.2393, 0.7139
CMYK	0.00, 0.24, 0.71, 0.00
HSL	40°, 100%, 64%
HSV	40°, 71%, 100%
XYZ	61.7082, 60.2982, 14.6827
YIQ	198.4450, 75.1970, -24.6990

Conversions

Conversions Part 2

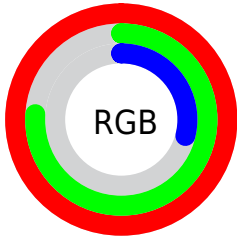
Format	Color
RYB	165, 255, 73
Decimal	16761417
CIELab	82.00, 10.54, 66.41
CIELCh	82, 67.236, 80.984
Yxy	60.2982, 0.4514, 0.4411
Android (android.graphics.Color)	4294951497 (0xFFFFC249)
YUV	198.4450, -61.8444, 49.5987
Hunter-Lab	77.6519, 5.9590, 43.1455

Details

The CIELCh color **82, 67.236, 80.984** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed yellow. A complement of this color would be **58, 68.953, 286.880**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 60.148, 103.572**, and **62, 67.351, 81.108** is the 20% darker color. If you saturate the color by 10%, you get **80, 74.808, 79.203**, and if you desaturate by 10%, it is **84, 58.339, 82.580**.

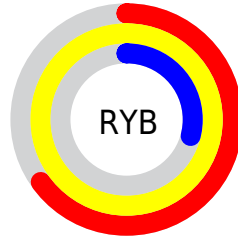
Distribution



Red (100%)

Green (76%)

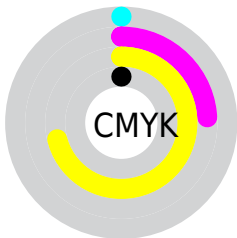
Blue (29%)



Red (65%)

Yellow (100%)

Blue (29%)

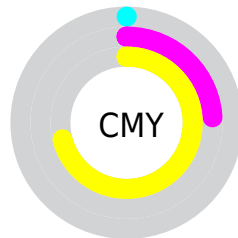


Cyan (0%)

Magenta (24%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (24%)

Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 67.236, 80.984 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, 67.236, 80.984 by changing the saturation by 10% instead.

 82, 67.236, 80.984

 82, 67.236, 80.984

 100, 67.236,
80.984

 72, 67.236, 80.984

 62, 67.236, 80.984

 52, 67.236, 80.984

 42, 67.236, 80.984

 32, 67.236, 80.984

 22, 67.236, 80.984

 12, 67.236, 80.984

 2, 67.236, 80.984

 0, 67.236, 80.984

82, 67.236, 80.984

82, 67.236, 80.984

80, 74.808, 79.203

84, 58.339, 82.580

78, 80.087, 77.065

87, 48.822, 84.070

76, 82.495, 74.849

89, 39.100, 85.501

92, 29.398, 86.887

94, 19.826, 88.230

97, 10.436, 89.523

100, 1.244, 90.578

100, 0.018,
238.949

Harmonies

Complementary

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



82, 67.236, 80.984



58, 68.953, 286.880

Rectangle

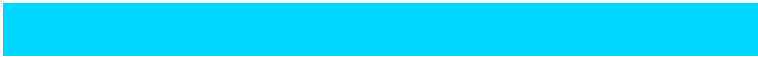
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 67.236, 80.984



82, 67.236, 130.984



82, 67.236, 260.984



82, 67.236, 310.984

Sweetspot

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



82, 67.235, 80.987



94, 19.467, 88.281



60, 72.315, 4.659



50, 13.215, 87.915



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, 67.235, 80.987



79, 77.603, 78.272



95, 84.605, 111.403



52, 5.202, 89.758



58, 66.469, 75.399



19, 28.071, 78.168

Inverse Universe

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



58, 68.953, 286.880



50, 84.536, 292.171



45, 104.766, 304.580



50, 5.199, 272.271



33, 78.763, 296.590



8, 31.593, 291.437

Previews

White Background



This preview shows how the CIELCh color 82, 67.236, 80.984 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, 67.236, 80.984 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, 67.236, 80.984

Background



This preview shows how black text looks on a background with the CIELCh color 82, 67.236, 80.984.



This preview shows how white text looks on a background with the CIELCh color 82, 67.236, 80.984.

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, 67.236, 80.984

Protanopia

82, 64.877, 95.585

Deuteranopia

82, 67.236, 80.984



Tritanopia
82, 26.785, 9.296

Trichromacy



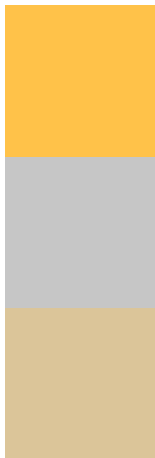
Original Color
82, 67.236, 80.984

Protanomaly
82, 65.137, 90.102

Deuteranomaly
82, 67.236, 80.984

Tritanomaly
82, 33.961, 55.534

Monochromacy



Original Color
82, 67.236, 80.984

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 24.958, 87.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 67.236, 80.984 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, 194, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 73)  
}
```

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, 194, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 67.236, 80.984 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, 194, 73) }
```

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

```
.border{ border-color:rgb(255, 194, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 67.236, 80.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 73) }
```

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

```
.background{ background-color: rgb(255,  
194, 73) }
```

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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