

Converting Colors

CIELCh(82, 64.186, 79.299)

Have a look what the booklet for
CIELCh(82, 64.186, 79.299) contains.

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Color

CIELCh(82, 63.939, 79.683)

Conversions

Conversions Part 1

Format	Color
Hex	FFC151
RGB	255, 193, 81
RGB Percent	100%, 76%, 32%
CMY	0.0000, 0.2413, 0.6806
CMYK	0.00, 0.24, 0.68, 0.00
HSL	39°, 100%, 66%
HSV	39°, 68%, 100%
XYZ	62.1000, 60.2982, 16.2378
YIQ	198.7700, 72.9040, -21.6880

Conversions

Conversions Part 2

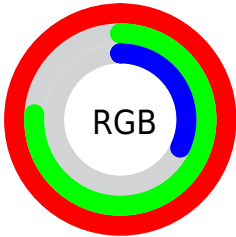
Format	Color
RYB	177, 255, 81
Decimal	16761169
CIELab	82.00, 11.45, 62.91
CIELCh	82, 63.939, 79.683
Yxy	60.2982, 0.4479, 0.4349
Android (android.graphics.Color)	4294951249 (0xFFFFC151)
YUV	198.7700, -58.0606, 49.3137
Hunter-Lab	77.6519, 6.8598, 41.9582

Details

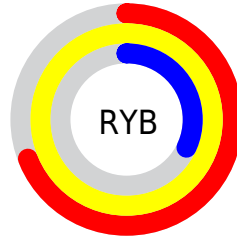
The CIELCh color **82, 63.939, 79.683** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **60, 63.582, 284.339**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 56.544, 103.316**, and **62, 64.018, 79.891** is the 20% darker color. If you saturate the color by 10%, you get **80, 72.062, 78.127**, and if you desaturate by 10%, it is **84, 54.618, 81.430**.

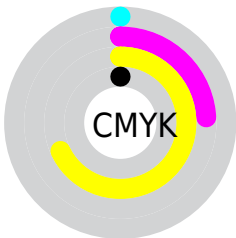
Distribution



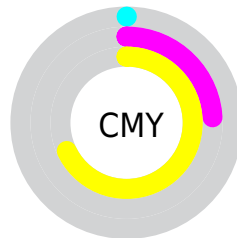
- Red (100%)
- Green (76%)
- Blue (32%)



- Red (69%)
- Yellow (100%)
- Blue (32%)



- Cyan (0%)
- Magenta (24%)
- Yellow (68%)
- Black (0%)



- Cyan (0%)
- Magenta (24%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 63.939, 79.683 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, 63.939, 79.683 by changing the saturation by 10% instead.

 82, 63.939, 79.683

 82, 63.939, 79.683

 100, 63.939,
79.683

 72, 63.939, 79.683

 62, 63.939, 79.683

 52, 63.939, 79.683

 42, 63.939, 79.683

 32, 63.939, 79.683

 22, 63.939, 79.683

 12, 63.939, 79.683

 2, 63.939, 79.683

 0, 63.939, 79.683

82, 63.939, 79.683

82, 63.939, 79.683

80, 72.062, 78.127

84, 54.618, 81.430

77, 78.401, 76.075

87, 45.013, 82.909

75, 81.973, 73.501

89, 35.343, 84.334

75, 82.509, 72.977

92, 25.776, 85.715

95, 16.392, 87.053

98, 7.222, 88.330

100, 0.012,
296.813

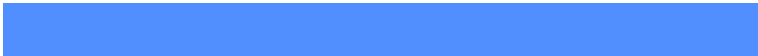
Harmonies

Complementary

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



82, 63.939, 79.683



60, 63.582, 284.339

Rectangle

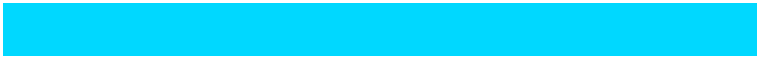
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 63.939, 79.683



82, 63.939, 129.683



82, 63.939, 259.683



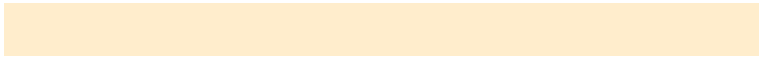
82, 63.939, 309.683

Sweetspot

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



82, 63.831, 79.861



94, 18.197, 86.797



61, 69.946, 2.312



50, 12.457, 86.423



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, 63.831, 79.861



79, 74.844, 77.367



96, 81.565, 110.684



52, 5.104, 88.152



57, 66.447, 73.558



19, 27.829, 76.311

Inverse Universe

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



60, 63.582, 284.339



53, 77.741, 289.382



47, 99.959, 303.793



50, 5.091, 270.691



34, 76.312, 295.462



9, 30.607, 290.138

Previews

White Background



This preview shows how the CIELCh color 82, 63.939, 79.683 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, 63.939, 79.683 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, 63.939, 79.683

Background



This preview shows how black text looks on a background with the CIELCh color 82, 63.939, 79.683.



This preview shows how white text looks on a background with the CIELCh color 82, 63.939, 79.683.

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, 63.939, 79.683

Protanopia

82, 60.760, 95.372

Deuteranopia

82, 63.890, 80.526



Tritanopia
82, 27.253, 8.435

Trichromacy



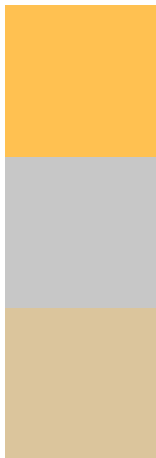
Original Color
82, 63.939, 79.683

Protanomaly
82, 61.064, 89.547

Deuteranomaly
82, 63.890, 80.526

Tritanomaly
82, 32.982, 52.516

Monochromacy



Original Color
82, 63.939, 79.683

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 23.474, 86.106

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 63.939, 79.683 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, 193, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 81)  
}
```

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, 193, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 63.939, 79.683 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, 193, 81) }
```

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

```
.border{ border-color:rgb(255, 193, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 193, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 63.939, 79.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 81) }
```

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

```
.background{ background-color: rgb(255,  
193, 81) }
```

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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