

Converting Colors

CIELCh(95, 82.440, 55.184)

Have a look what the booklet for
CIELCh(95, 82.440, 55.184) contains.

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Color

CIELCh(84, 52.962, 80.063)

Conversions

Conversions Part 1

Format	Color
Hex	FFC96E
RGB	255, 201, 110
RGB Percent	100%, 79%, 43%
CMY	0.0006, 0.2123, 0.5691
CMYK	0.00, 0.21, 0.57, 0.00
HSL	38°, 100%, 72%
HSV	38°, 57%, 100%
XYZ	64.8487, 64.0658, 23.6639
YIQ	206.7720, 61.3950, -16.8530

Conversions

Conversions Part 2

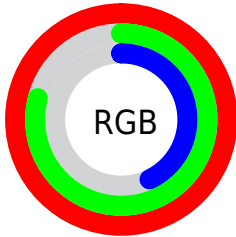
Format	Color
R_{YB}	196, 255, 110
Decimal	16763246
CIE _{Lab}	84.00, 9.14, 52.17
CIE _{LCh}	84, 52.962, 80.063
Yxy	64.0658, 0.4250, 0.4199
Android (android.graphics.Color)	4294953326 (0xFFFFC96E)
YUV	206.7720, -47.7086, 42.2960
Hunter-Lab	80.0411, 4.5474, 38.4999

Details

The CIELCh color **84, 52.962, 80.063** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **67, 51.253, 279.358**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 45.438, 106.705**, and **64, 53.038, 80.048** is the 20% darker color. If you saturate the color by 10%, you get **81, 62.284, 78.504**, and if you desaturate by 10%, it is **87, 43.353, 81.543**.

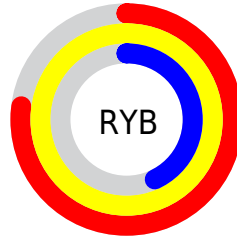
Distribution



Red (100%)

Green (79%)

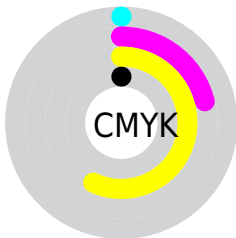
Blue (43%)



Red (77%)

Yellow (100%)

Blue (43%)

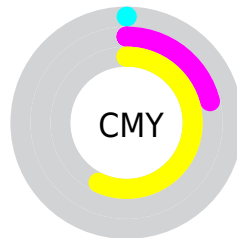


Cyan (0%)

Magenta (21%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (21%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 52.962, 80.063 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 84, 52.962, 80.063 by changing the saturation by 10% instead.

 84, 52.962, 80.063

 84, 52.962, 80.063

 100, 52.962,
80.063

 74, 52.962, 80.063

 64, 52.962, 80.063

 54, 52.962, 80.063

 44, 52.962, 80.063

 34, 52.962, 80.063

 24, 52.962, 80.063

 14, 52.962, 80.063

 4, 52.962, 80.063

 0, 52.962, 80.063

84, 52.962, 80.063

84, 52.962, 80.063

81, 62.284, 78.504

87, 43.353, 81.543

79, 70.778, 76.780

89, 33.748, 82.967

77, 77.567, 74.740

92, 24.294, 84.348

74, 81.650, 72.153

95, 15.055, 85.685

74, 82.566, 71.281

98, 6.052, 86.956

100, 0.051,
212.392

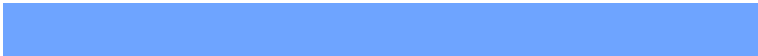
Harmonies

Complementary

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



84, 52.962, 80.063



67, 51.253, 279.358

Rectangle

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



84, 52.962, 80.063



84, 52.962, 130.063



84, 52.962, 260.063



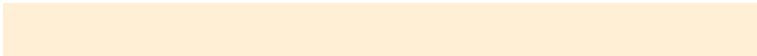
84, 52.962, 310.063

Sweetspot

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



84, 52.962, 80.067



95, 15.166, 85.670



66, 60.404, 358.209



50, 10.172, 85.405



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 52.962, 80.067



81, 63.314, 78.322



96, 70.335, 110.423



52, 5.019, 86.634



57, 66.497, 71.887



18, 27.634, 74.590

Inverse Universe

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



67, 51.253, 279.358



61, 61.806, 282.967



55, 82.619, 301.655



50, 4.995, 269.193



35, 74.068, 294.366



9, 29.717, 288.887

Previews

White Background



This preview shows how the CIELCh color 84, 52.962, 80.063 looks on a white background.

Color Contrast Check

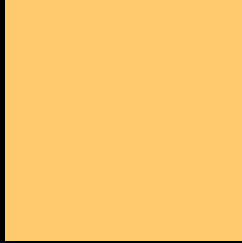
Large Text (above 18pt) WCAG AA × Fail

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 84, 52.962, 80.063 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 84, 52.962, 80.063

Background



This preview shows how black text looks on a background with the CIELCh color 84, 52.962, 80.063.



This preview shows how white text looks on a background with the CIELCh color 84, 52.962, 80.063.

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

84, 52.962, 80.063

Protanopia

84, 50.513, 95.707

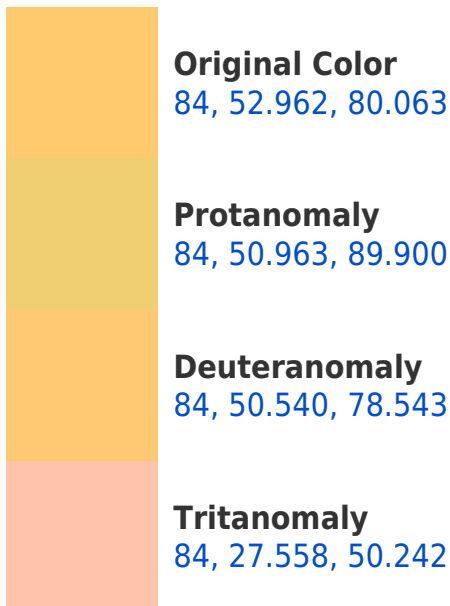
Deuteranopia

84, 49.195, 77.942



Tritanopia
84, 24.066, 6.328

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 52.962, 80.063 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, 201, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 110)  
}
```

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, 201, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 52.962, 80.063 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, 201, 110) }
```

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

```
.border{ border-color:rgb(255, 201, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 52.962, 80.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 110) }
```

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

```
.background{ background-color: rgb(255,  
201, 110) }
```

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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