

Converting Colors

CIELCh(84, 56.658, 81.811)

Have a look what the booklet for
CIELCh(84, 56.658, 81.811) contains.

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Color

CIELCh(84, 56.302, 81.666)

Conversions

Conversions Part 1

Format	Color
Hex	FEC966
RGB	254, 201, 102
RGB Percent	100%, 79%, 40%
CMY	0.0023, 0.2103, 0.5986
CMYK	0.00, 0.21, 0.60, 0.00
HSL	39°, 99%, 70%
HSV	39°, 60%, 100%
XYZ	64.4170, 64.0658, 21.6348
YIQ	205.5610, 63.3670, -19.5530

Conversions

Conversions Part 2

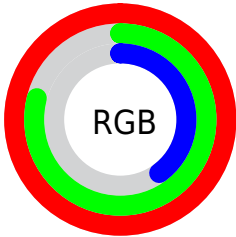
Format	Color
RYB	183, 254, 102
Decimal	16697702
CIELab	84.00, 8.16, 55.71
CIELCh	84, 56.302, 81.666
Yxy	64.0658, 0.4291, 0.4268
Android (android.graphics.Color)	4294887782 (0xFFFE96)
YUV	205.5610, -51.0556, 42.4810
Hunter-Lab	80.0411, 3.5848, 40.0029

Details

The CIELCh color **84, 56.302, 81.666** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **65, 55.778, 282.076**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 49.271, 106.409**, and **64, 56.442, 81.559** is the 20% darker color. If you saturate the color by 10%, you get **82, 65.363, 80.085**, and if you desaturate by 10%, it is **86, 46.751, 83.158**.

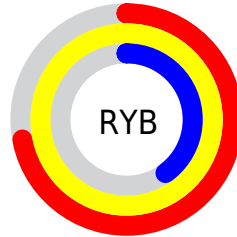
Distribution



Red (100%)

Green (79%)

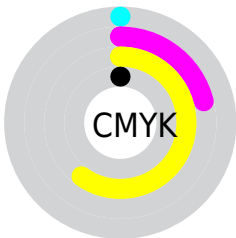
Blue (40%)



Red (72%)

Yellow (100%)

Blue (40%)

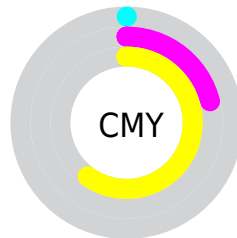


Cyan (0%)

Magenta (21%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (21%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 56.302, 81.666 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, 56.302, 81.666 by changing the saturation by 10% instead.

 84, 56.302, 81.666

 84, 56.302, 81.666

 100, 56.302,
81.666

 74, 56.302, 81.666

 64, 56.302, 81.666

 54, 56.302, 81.666

 44, 56.302, 81.666

 34, 56.302, 81.666

 24, 56.302, 81.666

 14, 56.302, 81.666

 4, 56.302, 81.666

 0, 56.302, 81.666

■ 84, 56.302, 81.666

■ 84, 56.302, 81.666

■ 82, 65.363, 80.085

■ 86, 46.751, 83.158

■ 79, 73.289, 78.318

■ 89, 37.079, 84.588

■ 77, 79.134, 76.208

■ 92, 27.477, 85.974

■ 75, 82.290, 73.601

■ 94, 18.039, 87.317

■ 75, 82.354, 73.539

■ 97, 8.804, 88.605

100, 0.213,
270.720

100, 0.202,
202.674

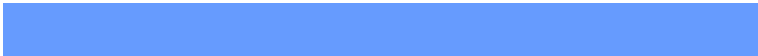
Harmonies

Complementary

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



84, 56.302, 81.666



65, 55.778, 282.076

Rectangle

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



84, 56.302, 81.666



84, 56.302, 131.666



84, 56.302, 261.666



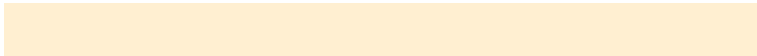
84, 56.302, 311.666

Sweetspot

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



84, 56.302, 81.670



95, 16.423, 87.548



64, 62.469, 1.331



50, 11.452, 87.165



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, 56.302, 81.670



81, 67.385, 79.709



96, 73.511, 111.837



52, 5.133, 88.638



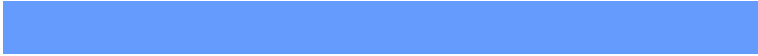
58, 66.445, 74.108



19, 27.898, 76.869

Inverse Universe

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



65, 55.778, 282.076



58, 68.148, 286.131



53, 86.949, 302.879



50, 5.123, 271.170



33, 77.046, 295.807



9, 30.901, 290.534

Previews

White Background



This preview shows how the CIELCh color 84, 56.302, 81.666 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, 56.302, 81.666 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, 56.302, 81.666

Background



This preview shows how black text looks on a background with the CIELCh color 84, 56.302, 81.666.



This preview shows how white text looks on a background with the CIELCh color 84, 56.302, 81.666.

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, 56.302, 81.666

Protanopia

84, 54.319, 95.566

Deuteranopia

84, 50.276, 78.993



Tritanopia
84, 24.066, 6.328

Trichromacy



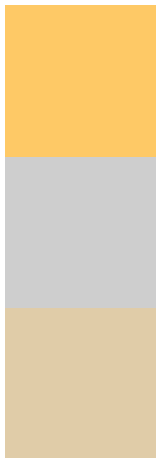
Original Color
84, 56.302, 81.666

Protanomaly
84, 54.642, 90.560

Deuteranomaly
84, 52.516, 79.895

Tritanomaly
84, 28.188, 51.925

Monochromacy



Original Color
84, 56.302, 81.666

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 20.551, 85.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 56.302, 81.666 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(254, 201, 102)` looks like.

```
.text, #text, p{  
    color:rgb(254, 201, 102)  
}
```

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(254, 201, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 201, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 56.302, 81.666 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(254, 201, 102) }
```

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

```
.border{ border-color:rgb(254, 201, 102) }
```

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

Here you see how a box with a 4 pixel rgb(254, 201, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 201, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 201, 102);  
box-shadow:4px 4px 4px 4px rgb(254, 201,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 56.302, 81.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 201, 102) }
```

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

```
.background{ background-color: rgb(254,  
201, 102) }
```

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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