

Converting Colors

CIELCh(96, 81.857, 53.297)

Have a look what the booklet for
CIELCh(96, 81.857, 53.297) contains.

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Color

CIELCh(84, 50.017, 79.447)

Conversions

Conversions Part 1

Format	Color
Hex	FEC974
RGB	254, 201, 116
RGB Percent	100%, 79%, 45%
CMY	0.0044, 0.2119, 0.5450
CMYK	0.00, 0.21, 0.54, 0.00
HSL	37°, 98%, 73%
HSV	37°, 54%, 100%
XYZ	64.8580, 64.0658, 25.4774
YIQ	207.1570, 58.8730, -15.1990

Conversions

Conversions Part 2

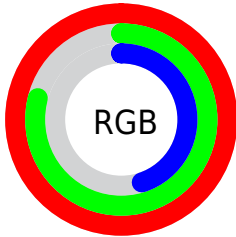
Format	Color
R_{YB}	202, 254, 116
Decimal	16697716
CIE _{Lab}	84.00, 9.16, 49.17
CIE _{LCh}	84, 50.017, 79.447
Yxy	64.0658, 0.4201, 0.4149
Android (android.graphics.Color)	4294887796 (0xFFFE974)
YUV	207.1570, -44.9404, 41.0813
Hunter-Lab	80.0411, 4.5681, 37.1565

Details

The CIELCh color **84, 50.017, 79.447** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **69, 47.901, 277.646**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 42.533, 106.929**, and **64, 49.817, 79.441** is the 20% darker color. If you saturate the color by 10%, you get **81, 59.446, 77.916**, and if you desaturate by 10%, it is **87, 40.430, 80.911**.

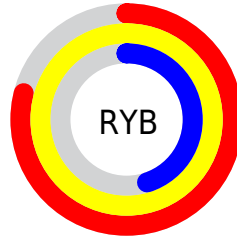
Distribution



Red (100%)

Green (79%)

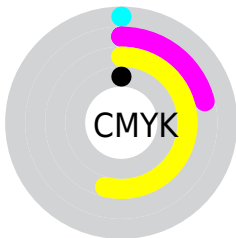
Blue (45%)



Red (79%)

Yellow (100%)

Blue (45%)

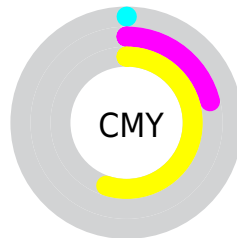


Cyan (0%)

Magenta (21%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (21%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 50.017, 79.447 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, 50.017, 79.447 by changing the saturation by 10% instead.

84, 50.017, 79.447

84, 50.017, 79.447

100, 50.017,
79.447

74, 50.017, 79.447

64, 50.017, 79.447

54, 50.017, 79.447

44, 50.017, 79.447

34, 50.017, 79.447

24, 50.017, 79.447

14, 50.017, 79.447

4, 50.017, 79.447

0, 50.017, 79.447

84, 50.017, 79.447

84, 50.017, 79.447

81, 59.446, 77.916

87, 40.430, 80.911

79, 68.262, 76.241

90, 30.923, 82.323

76, 75.681, 74.291

92, 21.609, 83.694

74, 80.661, 71.837

95, 12.533, 85.020

73, 82.427, 70.205

98, 3.707, 86.251

100, 0.393,
201.067

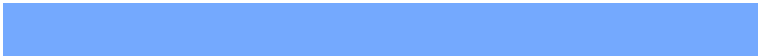
Harmonies

Complementary

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



84, 50.017, 79.447



69, 47.901, 277.646

Rectangle

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



84, 50.017, 79.447



84, 50.017, 129.447



84, 50.017, 259.447



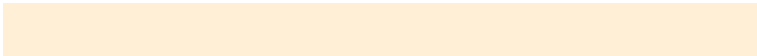
84, 50.017, 309.447

Sweetspot

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



84, 50.017, 79.451



95, 14.112, 84.797



67, 58.053, 356.474



50, 9.556, 84.527



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, 50.017, 79.451



82, 60.310, 77.801



96, 67.229, 109.800



52, 4.966, 85.632



56, 66.564, 70.819



18, 27.522, 73.474

Inverse Universe

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



69, 47.901, 277.646



63, 57.921, 281.033



56, 78.311, 300.825



50, 4.936, 268.201



35, 72.626, 293.626



9, 29.151, 288.048

Previews

White Background



This preview shows how the CIELCh color 84, 50.017, 79.447 looks on a white background.

Color Contrast Check

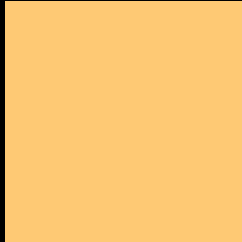
Large Text (above 18pt) WCAG AA × Fail

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, 50.017, 79.447 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, 50.017, 79.447

Background



This preview shows how black text looks on a background with the CIELCh color 84, 50.017, 79.447.



This preview shows how white text looks on a background with the CIELCh color 84, 50.017, 79.447.

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





Tritanopia
84, 24.163, 5.115

Trichromacy



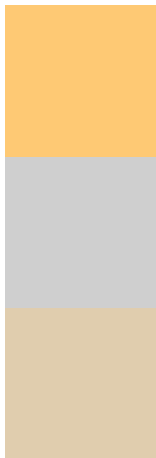
Original Color
84, 50.061, 79.417

Protanomaly
84, 48.018, 89.778

Deuteranomaly
84, 48.746, 77.732

Tritanomaly
84, 26.665, 47.561

Monochromacy



Original Color
84, 50.061, 79.417

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 17.936, 84.312

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 50.017, 79.447 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(254, 201, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 201, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 50.017, 79.447 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, 116) }
```

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

```
.border{ border-color:rgb(254, 201, 116) }
```

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, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 201, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 201, 116);  
box-shadow:4px 4px 4px 4px rgb(254, 201,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 50.017, 79.447 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, 116) }
```

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

```
.background{ background-color: rgb(254,  
201, 116) }
```

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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