

Converting Colors

CIELCh(84, 47.737, 81.797)

Have a look what the booklet for
CIELCh(84, 47.737, 81.797) contains.

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Color

CIELCh(84, 47.643, 82.200)

Conversions

Conversions Part 1

Format	Color
Hex	F9CB78
RGB	249, 203, 120
RGB Percent	98%, 80%, 47%
CMY	0.0244, 0.2047, 0.5302
CMYK	0.00, 0.18, 0.52, 0.02
HSL	39°, 91%, 72%
HSV	39°, 52%, 98%
XYZ	63.6742, 64.0658, 26.7180
YIQ	207.2920, 54.0590, -16.0610

Conversions

Conversions Part 2

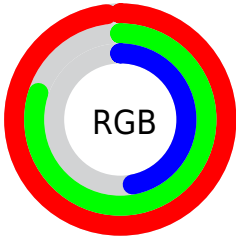
Format	Color
RYB	191, 249, 120
Decimal	16370552
CIELab	84.00, 6.47, 47.20
CIElCh	84, 47.643, 82.200
Yxy	64.0658, 0.4122, 0.4148
Android (android.graphics.Color)	4294560632 (0xFFFF9CB78)
YUV	207.2920, -43.0350, 36.5779
Hunter-Lab	80.0411, 1.9283, 36.2376

Details

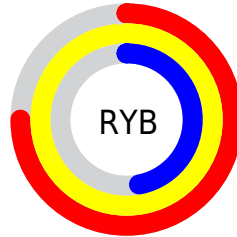
The CIELCh color **84, 47.643, 82.200** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **68, 46.674, 279.137**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 40.585, 107.080**, and **64, 47.552, 82.082** is the 20% darker color. If you saturate the color by 10%, you get **82, 56.965, 80.699**, and if you desaturate by 10%, it is **87, 38.167, 83.646**.

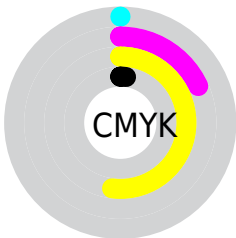
Distribution



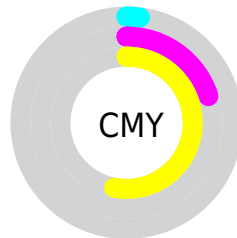
- Red (98%)
- Green (80%)
- Blue (47%)



- Red (75%)
- Yellow (98%)
- Blue (47%)



- Cyan (0%)
- Magenta (18%)
- Yellow (52%)
- Black (2%)



- Cyan (2%)
- Magenta (20%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 47.643, 82.200 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, 47.643, 82.200 by changing the saturation by 10% instead.

 84, 47.643, 82.200

 84, 47.643, 82.200

 100, 47.643,
82.200

 74, 47.643, 82.200

 64, 47.643, 82.200

 54, 47.643, 82.200

 44, 47.643, 82.200

 34, 47.643, 82.200

 24, 47.643, 82.200

 14, 47.643, 82.200

 4, 47.643, 82.200

 0, 47.643, 82.200

84, 47.643, 82.200

84, 47.643, 82.200

82, 56.965, 80.699

87, 38.167, 83.646

79, 65.731, 79.082

89, 28.747, 85.041

77, 73.249, 77.252

92, 19.488, 86.395

75, 78.549, 75.026

95, 10.433, 87.699

73, 80.983, 72.839

97, 1.594, 88.810

100, 2.157,
199.576

Harmonies

Complementary

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



84, 47.643, 82.200



68, 46.674, 279.137

Rectangle

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



84, 47.643, 82.200



84, 47.643, 132.200



84, 47.643, 262.200



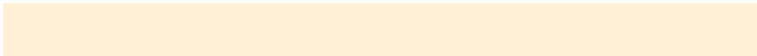
84, 47.643, 312.200

Sweetspot

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



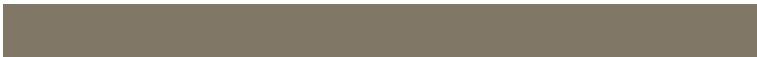
84, 47.643, 82.204



95, 14.460, 87.161



67, 54.091, 358.321



50, 9.788, 86.892



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, 47.643, 82.204



83, 58.265, 80.661



94, 63.645, 111.513



51, 5.011, 87.994



57, 65.787, 73.410



18, 26.656, 76.149

Inverse Universe

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



68, 46.674, 279.137



64, 57.429, 282.193



58, 73.223, 301.263



49, 4.997, 270.530



33, 75.240, 295.312



8, 29.474, 289.673

Previews

White Background



This preview shows how the CIELCh color 84, 47.643, 82.200 looks on a white background.

Color Contrast Check

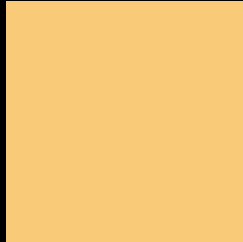
Large Text (above 18pt) WCAG AA × Fail

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, 47.643, 82.200 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, 47.643, 82.200

Background



This preview shows how black text looks on a background with the CIELCh color 84, 47.643, 82.200.



This preview shows how white text looks on a background with the CIELCh color 84, 47.643, 82.200.

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, 47.643, 82.200

Protanopia

84, 46.136, 95.749

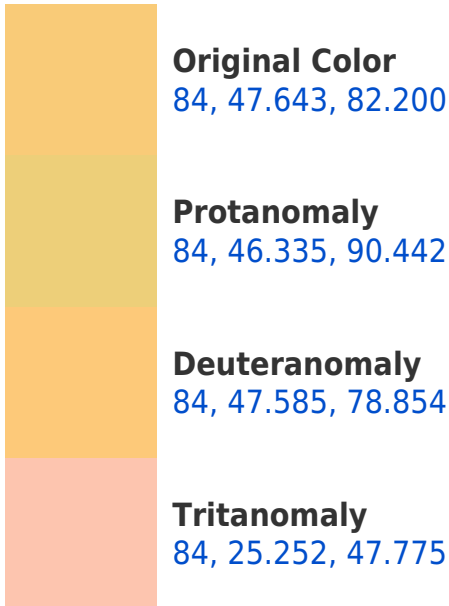
Deuteranopia

84, 47.398, 77.070



Tritanopia
84, 24.273, 3.912

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 47.643, 82.200 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(249, 203, 120)` looks like.

```
.text, #text, p{  
    color:rgb(249, 203, 120)  
}
```

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(249, 203, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 203, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 47.643, 82.200 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(249, 203, 120) }
```

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

```
.border{ border-color:rgb(249, 203, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 203, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 203, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 203, 120);  
box-shadow:4px 4px 4px 4px rgb(249, 203,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 47.643, 82.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 203, 120) }
```

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

```
.background{ background-color: rgb(249,  
203, 120) }
```

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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