

Converting Colors

CIELCh(81, 47.887, 74.676)

Have a look what the booklet for
CIELCh(81, 47.887, 74.676) contains.

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Color

CIELCh(81, 48.089, 75.287)

Conversions

Conversions Part 1

Format	Color
Hex	F9BF72
RGB	249, 191, 114
RGB Percent	98%, 75%, 45%
CMY	0.0245, 0.2518, 0.5538
CMYK	0.00, 0.23, 0.54, 0.02
HSL	34°, 92%, 71%
HSV	34°, 54%, 98%
XYZ	60.5890, 58.4711, 23.9501
YIQ	199.5640, 59.2850, -11.6510

Conversions

Conversions Part 2

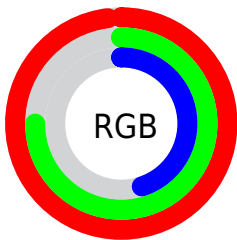
Format	Color
R _{YB}	216, 249, 114
Decimal	16367474
CIE Lab	81.00, 12.21, 46.51
CIE LCh	81, 48.089, 75.287
Yxy	58.4711, 0.4237, 0.4089
Android (android.graphics.Color)	4294557554 (0xFFFF9BF72)
YUV	199.5640, -42.1831, 43.3554
Hunter-Lab	76.4664, 7.6203, 34.9562

Details

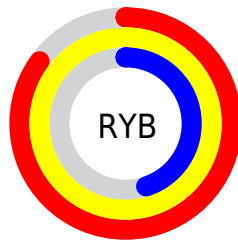
The CIELCh color **81, 48.089, 75.287** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **69, 44.121, 273.550**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 40.434, 102.561**, and **61, 48.378, 75.385** is the 20% darker color. If you saturate the color by 10%, you get **78, 57.484, 73.788**, and if you desaturate by 10%, it is **84, 38.674, 76.723**.

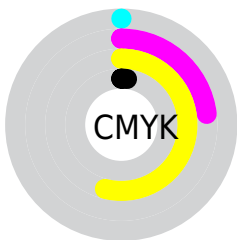
Distribution



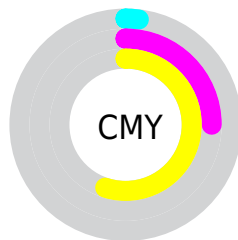
- Red (98%)
- Green (75%)
- Blue (45%)



- Red (85%)
- Yellow (98%)
- Blue (45%)



- Cyan (0%)
- Magenta (23%)
- Yellow (54%)
- Black (2%)



- Cyan (2%)
- Magenta (25%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 48.089, 75.287 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 81, 48.089, 75.287 by changing the saturation by 10% instead.

81, 48.089, 75.287

81, 48.089, 75.287

100, 48.089,
75.287

71, 48.089, 75.287

61, 48.089, 75.287

51, 48.089, 75.287

41, 48.089, 75.287

31, 48.089, 75.287

21, 48.089, 75.287

11, 48.089, 75.287

1, 48.089, 75.287

0, 48.089, 75.287

81, 48.089, 75.287

81, 48.089, 75.287

78, 57.484, 73.788

84, 38.674, 76.723

75, 66.448, 72.141

87, 29.443, 78.113

73, 74.230, 70.194

90, 20.484, 79.469

70, 79.757, 67.680

93, 11.824, 80.785

69, 81.901, 65.980

96, 3.462, 82.002

100, 2.129,
201.004

100, 2.165,
199.574

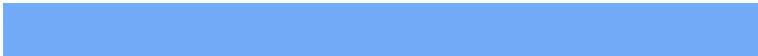
Harmonies

Complementary

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



81, 48.089, 75.287



69, 44.121, 273.550

Rectangle

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



81, 48.089, 75.287



81, 48.089, 125.287



81, 48.089, 255.287



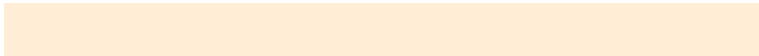
81, 48.089, 305.287

Sweetspot

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



81, 48.089, 75.291



95, 13.584, 80.556



66, 57.802, 354.151



50, 9.205, 80.287



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 48.089, 75.291



80, 59.356, 73.658



95, 65.957, 108.232



51, 4.692, 81.388



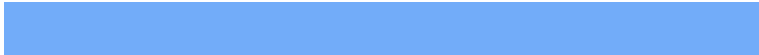
53, 66.427, 66.636



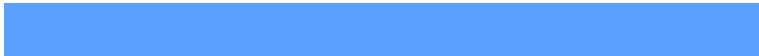
16, 26.019, 68.846

Inverse Universe

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



69, 44.121, 273.550



65, 53.988, 277.073



55, 76.996, 300.007



49, 4.635, 263.974



37, 66.131, 290.303



10, 26.022, 284.005

Previews

White Background



This preview shows how the CIELCh color 81, 48.089, 75.287 looks on a white background.

Color Contrast Check

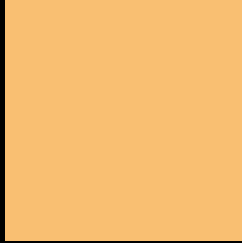
Large Text (above 18pt) WCAG AA × Fail

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 81, 48.089, 75.287 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 81, 48.089, 75.287

Background



This preview shows how black text looks on a background with the CIELCh color 81, 48.089, 75.287.



This preview shows how white text looks on a background with the CIELCh color 81, 48.089, 75.287.

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

81, 48.089, 75.287

Protanopia

81, 44.372, 95.851

Deuteranopia

81, 47.988, 77.493



Tritanopia
81, 29.009, 7.311

Trichromacy



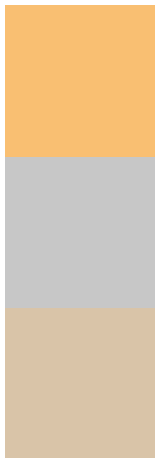
Original Color
81, 48.089, 75.287

Protanomaly
81, 45.161, 88.203

Deuteranomaly
81, 48.219, 77.058

Tritanomaly
81, 29.648, 42.002

Monochromacy



Original Color
81, 48.089, 75.287

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 17.025, 79.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 48.089, 75.287 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, 191, 114)` looks like.

```
.text, #text, p{  
    color:rgb(249, 191, 114)  
}
```

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, 191, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 191, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 48.089, 75.287 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, 191, 114) }
```

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

```
.border{ border-color:rgb(249, 191, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 191, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 191, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 191, 114);  
box-shadow:4px 4px 4px 4px rgb(249, 191,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 48.089, 75.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 191, 114) }
```

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

```
.background{ background-color: rgb(249,  
191, 114) }
```

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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