

Converting Colors

CIELCh(100, 90.117, 50.648)

Have a look what the booklet for
CIELCh(100, 90.117, 50.648)
contains.

CIELCh(85, 49.477, 81.474)	3
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Color

CIELCh(85, 49.477, 81.474)

Conversions

Conversions Part 1

Format	Color
Hex	FECD77
RGB	254, 205, 119
RGB Percent	100%, 80%, 47%
CMY	0.0045, 0.1963, 0.5333
CMYK	0.00, 0.19, 0.53, 0.00
HSL	38°, 98%, 73%
HSV	38°, 53%, 100%
XYZ	65.9627, 66.0070, 26.7155
YIQ	209.8470, 56.8100, -16.3580

Conversions

Conversions Part 2

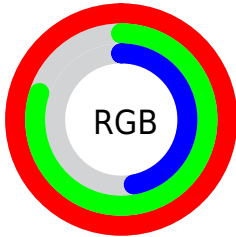
Format	Color
R _Y B	196, 254, 119
Decimal	16698743
CIE Lab	85.00, 7.34, 48.93
CIE LCh	85, 49.477, 81.474
Yxy	66.0070, 0.4157, 0.4160
Android (android.graphics.Color)	4294888823 (0xFFFECD77)
YUV	209.8470, -44.7876, 38.7222
Hunter-Lab	81.2447, 2.7463, 37.3751

Details

The CIELCh color **85, 49.477, 81.474** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **69, 48.246, 279.028**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 41.073, 107.042**, and **65, 49.441, 81.196** is the 20% darker color. If you saturate the color by 10%, you get **82, 58.913, 79.957**, and if you desaturate by 10%, it is **88, 39.861, 82.930**.

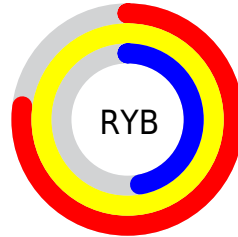
Distribution



Red (100%)

Green (80%)

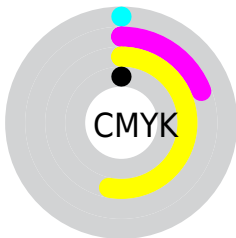
Blue (47%)



Red (77%)

Yellow (100%)

Blue (47%)

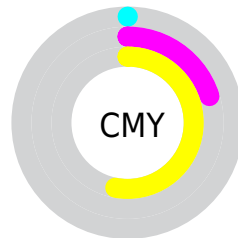


Cyan (0%)

Magenta (19%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 49.477, 81.474 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 85, 49.477, 81.474 by changing the saturation by 10% instead.

 85, 49.477, 81.474

 85, 49.477, 81.474

 100, 49.477,
81.474

 75, 49.477, 81.474

 65, 49.477, 81.474

 55, 49.477, 81.474

 45, 49.477, 81.474

 35, 49.477, 81.474

 25, 49.477, 81.474

 15, 49.477, 81.474

 5, 49.477, 81.474

 0, 49.477, 81.474

85, 49.477, 81.474

85, 49.477, 81.474

82, 58.913, 79.957

88, 39.861, 82.930

80, 67.728, 78.312

90, 30.295, 84.335

78, 75.176, 76.429

93, 20.894, 85.697

76, 80.245, 74.108

96, 11.705, 87.012

74, 82.257, 72.215

99, 2.742, 88.207

100, 0.401,
201.032

Harmonies

Complementary

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



85, 49.477, 81.474



69, 48.246, 279.028

Rectangle

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



85, 49.477, 81.474



85, 49.477, 131.474



85, 49.477, 261.474



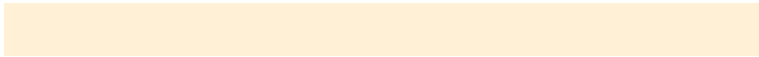
85, 49.477, 311.474

Sweetspot

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



85, 49.477, 81.478



95, 14.380, 86.639



67, 56.257, 358.596



50, 9.734, 86.369



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 49.477, 81.478



83, 59.940, 79.816



96, 66.118, 111.430



52, 5.065, 87.471



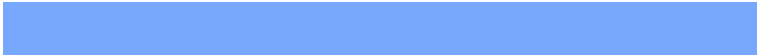
57, 66.461, 72.800



19, 27.737, 75.535

Inverse Universe

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



69, 48.246, 279.028



63, 58.842, 282.370



58, 76.436, 301.466



50, 5.047, 270.019



34, 75.296, 294.974



9, 30.203, 289.580

Previews

White Background



This preview shows how the CIELCh color 85, 49.477, 81.474 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 85, 49.477, 81.474 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 85, 49.477, 81.474

Background



This preview shows how black text looks on a background with the CIELCh color 85, 49.477, 81.474.



This preview shows how white text looks on a background with the CIELCh color 85, 49.477, 81.474.

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

85, 49.519, 81.445

Protanopia

85, 47.482, 95.980

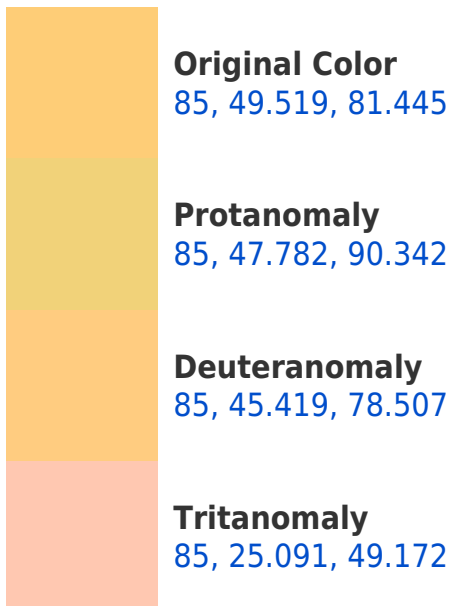
Deuteranopia

85, 43.147, 77.280



Tritanopia
85, 22.618, 3.830

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 49.477, 81.474 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, 205, 119)` looks like.

```
.text, #text, p{  
    color:rgb(254, 205, 119)  
}
```

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, 205, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 205, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 49.477, 81.474 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, 205, 119) }
```

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

```
.border{ border-color:rgb(254, 205, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 205, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(254, 205, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(254, 205, 119); box-shadow:4px 4px 4px 4px rgb(254, 205, 119) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 49.477, 81.474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 205, 119) }
```

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

```
.background{ background-color: rgb(254,  
205, 119) }
```

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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