

Converting Colors

CIELCh(85, 46.590, 78.479)

Have a look what the booklet for
CIELCh(85, 46.590, 78.479) contains.

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Color

CIELCh(85, 46.329, 78.957)

Conversions

Conversions Part 1

Format	Color
Hex	FFCC7E
RGB	255, 204, 126
RGB Percent	100%, 80%, 49%
CMY	0.0000, 0.1997, 0.5056
CMYK	0.00, 0.20, 0.51, 0.00
HSL	36°, 100%, 75%
HSV	36°, 51%, 100%
XYZ	66.6530, 66.0070, 28.9914
YIQ	210.3570, 55.4340, -13.4460

Conversions

Conversions Part 2

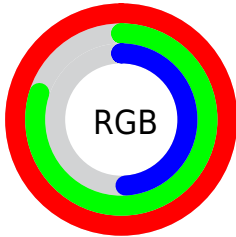
Format	Color
R _Y B	210, 255, 126
Decimal	16764030
CIE _{Lab}	85.00, 8.87, 45.47
CIE _{LCh}	85, 46.329, 78.957
Y _{xy}	66.0070, 0.4123, 0.4083
Android (android.graphics.Color)	4294954110 (0xFFFFCC7E)
Y _{UV}	210.3570, -41.5880, 39.1519
Hunter-Lab	81.2447, 4.2628, 35.7142

Details

The CIELCh color **85, 46.329, 78.957** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **72, 43.989, 275.622**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 37.646, 107.307**, and **65, 46.321, 78.781** is the 20% darker color. If you saturate the color by 10%, you get **82, 55.884, 77.499**, and if you desaturate by 10%, it is **88, 36.719, 80.438**.

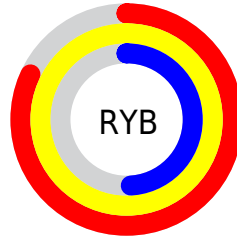
Distribution



Red (100%)

Green (80%)

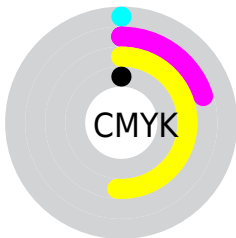
Blue (49%)



Red (82%)

Yellow (100%)

Blue (49%)

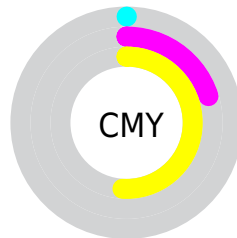


Cyan (0%)

Magenta (20%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 46.329, 78.957 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, 46.329, 78.957 by changing the saturation by 10% instead.

 85, 46.329, 78.957

 85, 46.329, 78.957

 100, 46.329,
78.957

 75, 46.329, 78.957

 65, 46.329, 78.957

 55, 46.329, 78.957

 45, 46.329, 78.957

 35, 46.329, 78.957

 25, 46.329, 78.957

 15, 46.329, 78.957

 5, 46.329, 78.957

 0, 46.329, 78.957

85, 46.329, 78.957

85, 46.329, 78.957

82, 55.884, 77.499

88, 36.719, 80.438

80, 65.083, 75.888

91, 27.283, 81.833

77, 73.259, 74.058

94, 18.083, 83.189

75, 79.420, 71.804

97, 9.144, 84.493

73, 82.843, 69.139

100, 0.467, 85.075

100, 0.012,
296.813

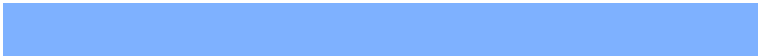
Harmonies

Complementary

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



85, 46.329, 78.957



72, 43.989, 275.622

Rectangle

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



85, 46.329, 78.957



85, 46.329, 128.957



85, 46.329, 258.957



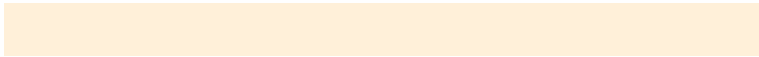
85, 46.329, 308.957

Sweetspot

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



85, 46.311, 78.999



95, 13.082, 83.922



69, 54.527, 355.747



50, 8.954, 83.646



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, 46.311, 78.999



82, 56.302, 77.431



97, 63.294, 110.052



52, 4.916, 84.626



56, 66.656, 69.775



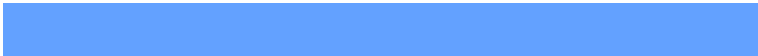
18, 27.423, 72.368

Inverse Universe

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



72, 43.989, 275.622



66, 53.319, 278.778



60, 72.707, 300.206



50, 4.879, 267.204



36, 71.210, 292.870



10, 28.599, 287.196

Previews

White Background



This preview shows how the CIELCh color 85, 46.329, 78.957 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, 46.329, 78.957 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, 46.329, 78.957

Background



This preview shows how black text looks on a background with the CIELCh color 85, 46.329, 78.957.



This preview shows how white text looks on a background with the CIELCh color 85, 46.329, 78.957.

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, 46.329, 78.957

Protanopia

85, 44.018, 96.105

Deuteranopia

85, 42.240, 76.743



Tritanopia
85, 22.618, 3.830

Trichromacy



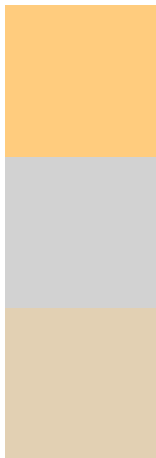
Original Color
85, 46.329, 78.957

Protanomaly
85, 44.317, 90.063

Deuteranomaly
85, 43.601, 77.538

Tritanomaly
85, 24.515, 47.191

Monochromacy



Original Color
85, 46.329, 78.957

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 16.754, 84.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 46.329, 78.957 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(255, 204, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 126)  
}
```

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(255, 204, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 46.329, 78.957 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(255, 204, 126) }
```

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

```
.border{ border-color:rgb(255, 204, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 126);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 46.329, 78.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 126) }
```

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

```
.background{ background-color: rgb(255,  
204, 126) }
```

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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