

Converting Colors

CIELCh(85, 45.695, 78.173)

Have a look what the booklet for
CIELCh(85, 45.695, 78.173) contains.

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Color

CIELCh(85, 45.419, 78.507)

Conversions

Conversions Part 1

Format	Color
Hex	FFCC80
RGB	255, 204, 128
RGB Percent	100%, 80%, 50%
CMY	0.0000, 0.2000, 0.4980
CMYK	0.00, 0.20, 0.50, 0.00
HSL	36°, 100%, 75%
HSV	36°, 50%, 100%
XYZ	66.7320, 66.0070, 29.6471
YIQ	210.5850, 54.7920, -12.8240

Conversions

Conversions Part 2

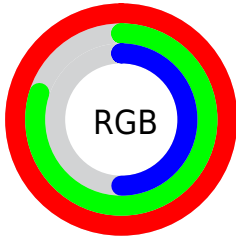
Format	Color
R _Y B	213, 255, 128
Decimal	16764032
CIE Lab	85.00, 9.05, 44.51
CIE LCh	85, 45.419, 78.507
Yxy	66.0070, 0.4109, 0.4065
Android (android.graphics.Color)	4294954112 (0xFFFFCC80)
YUV	210.5850, -40.7144, 38.9520
Hunter-Lab	81.2447, 4.4365, 35.2357

Details

The CIELCh color **85, 45.419, 78.507** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **72, 42.928, 274.834**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 36.662, 107.383**, and **65, 45.406, 78.369** is the 20% darker color. If you saturate the color by 10%, you get **82, 55.009, 77.022**, and if you desaturate by 10%, it is **88, 35.844, 79.946**.

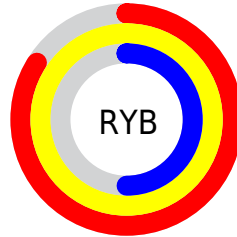
Distribution



Red (100%)

Green (80%)

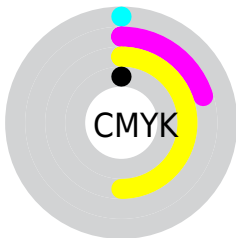
Blue (50%)



Red (84%)

Yellow (100%)

Blue (50%)

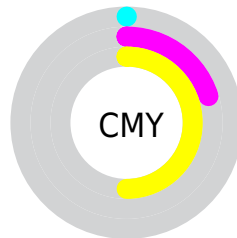


Cyan (0%)

Magenta (20%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 45.419, 78.507 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, 45.419, 78.507 by changing the saturation by 10% instead.

 85, 45.419, 78.507

 85, 45.419, 78.507

 100, 45.419,
78.507

 75, 45.419, 78.507

 65, 45.419, 78.507

 55, 45.419, 78.507

 45, 45.419, 78.507

 35, 45.419, 78.507

 25, 45.419, 78.507

 15, 45.419, 78.507

 5, 45.419, 78.507

 0, 45.419, 78.507

85, 45.419, 78.507

85, 45.419, 78.507

82, 55.009, 77.022

88, 35.844, 79.946

80, 64.283, 75.425

91, 26.449, 81.337

77, 72.623, 73.616

94, 17.303, 82.688

75, 79.054, 71.397

97, 8.429, 83.987

72, 82.869, 68.577

100, 0.012,
296.813

72, 82.938, 68.521

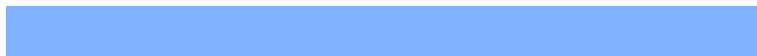
Harmonies

Complementary

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



85, 45.419, 78.507



72, 42.928, 274.834

Rectangle

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



85, 45.419, 78.507



85, 45.419, 128.507



85, 45.419, 258.507



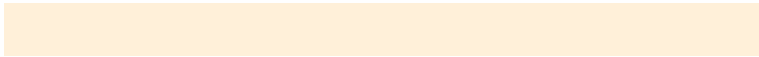
85, 45.419, 308.507

Sweetspot

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



85, 45.418, 78.513



95, 13.009, 83.321



69, 54.114, 354.470



50, 8.905, 83.045



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, 45.418, 78.513



82, 55.198, 76.992



97, 62.363, 109.331



52, 4.887, 84.024



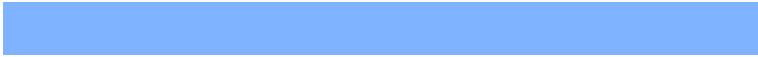
55, 66.722, 69.165



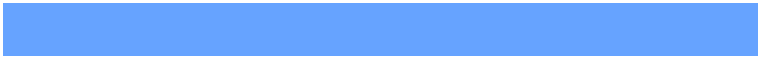
18, 27.369, 71.715

Inverse Universe

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



72, 42.928, 274.834



67, 51.910, 277.891



60, 71.523, 299.648



50, 4.846, 266.607



36, 70.378, 292.411



10, 28.276, 286.680

Previews

White Background



This preview shows how the CIE LCh color 85, 45.419, 78.507 looks on a white background.

Color Contrast Check

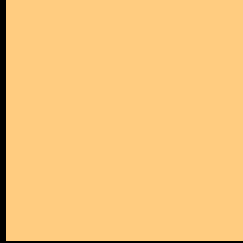
Large Text (above 18pt) WCAG AA × Fail

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, 45.419, 78.507 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, 45.419, 78.507

Background



This preview shows how black text looks on a background with the CIELCh color 85, 45.419, 78.507.



This preview shows how white text looks on a background with the CIELCh color 85, 45.419, 78.507.

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
85, 22.618, 3.830

Trichromacy



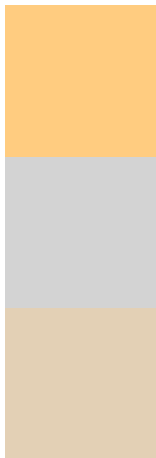
Original Color
85, 45.419, 78.507

Protanomaly
85, 43.356, 89.813

Deuteranomaly
85, 43.147, 77.280

Tritanomaly
85, 24.239, 46.164

Monochromacy



Original Color
85, 45.419, 78.507

Achromatopsia
85, 0.010, 296.813

Achromatomaly
84, 15.975, 81.576

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 45.419, 78.507 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 45.419, 78.507 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, 128) }
```

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

```
.border{ border-color:rgb(255, 204, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 45.419, 78.507 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, 128) }
```

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

```
.background{ background-color: rgb(255,  
204, 128) }
```

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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