

Converting Colors

CIELCh(85, 45.082, 76.488)

Have a look what the booklet for
CIELCh(85, 45.082, 76.488) contains.

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Color

CIELCh(85, 44.776, 77.547)

Conversions

Conversions Part 1

Format	Color
Hex	FFCC82
RGB	255, 204, 130
RGB Percent	100%, 80%, 51%
CMY	0.0000, 0.2014, 0.4917
CMYK	0.00, 0.20, 0.49, 0.00
HSL	35°, 100%, 75%
HSV	35°, 49%, 100%
XYZ	67.0053, 66.0070, 30.1895
YIQ	210.8130, 54.1500, -12.2020

Conversions

Conversions Part 2

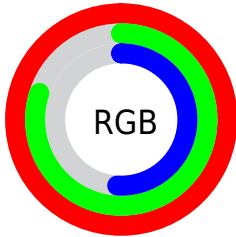
Format	Color
R _Y B	216, 255, 130
Decimal	16764034
CIE Lab	85.00, 9.66, 43.72
CIE LCh	85, 44.776, 77.547
Yxy	66.0070, 0.4106, 0.4045
Android (android.graphics.Color)	4294954114 (0xFFFFCC82)
YUV	210.8130, -39.8408, 38.7520
Hunter-Lab	81.2447, 5.0369, 34.8399

Details

The CIELCh color **85, 44.776, 77.547** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **73, 41.916, 273.943**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 35.677, 107.459**, and **65, 44.487, 77.932** is the 20% darker color. If you saturate the color by 10%, you get **82, 54.226, 76.389**, and if you desaturate by 10%, it is **88, 35.068, 79.297**.

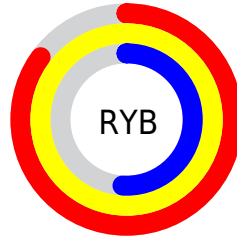
Distribution



Red (100%)

Green (80%)

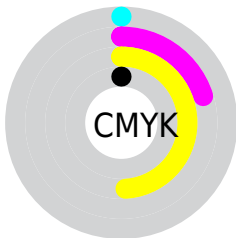
Blue (51%)



Red (85%)

Yellow (100%)

Blue (51%)

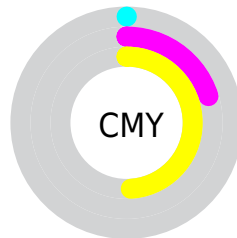


Cyan (0%)

Magenta (20%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 44.776, 77.547 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, 44.776, 77.547 by changing the saturation by 10% instead.

 85, 44.776, 77.547

 85, 44.776, 77.547

 100, 44.776,
77.547

 75, 44.776, 77.547

 65, 44.776, 77.547

 55, 44.776, 77.547

 45, 44.776, 77.547

 35, 44.776, 77.547

 25, 44.776, 77.547

 15, 44.776, 77.547

 5, 44.776, 77.547

 0, 44.776, 77.547

85, 44.776, 77.547

85, 44.776, 77.547

82, 54.226, 76.389

88, 35.068, 79.297

79, 63.570, 74.805

91, 25.716, 80.682

77, 72.059, 73.017

94, 16.630, 82.029

74, 78.739, 70.825

97, 7.825, 83.322

72, 82.776, 68.008

100, 0.012,
296.813

72, 83.069, 67.771

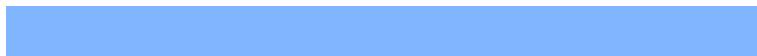
Harmonies

Complementary

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



85, 44.776, 77.547



73, 41.916, 273.943

Rectangle

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



85, 44.776, 77.547



85, 44.776, 127.547



85, 44.776, 257.547



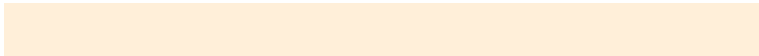
85, 44.776, 307.547

Sweetspot

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



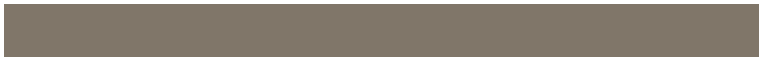
85, 44.621, 77.871



95, 12.921, 82.578



70, 53.469, 354.358



50, 8.846, 82.302



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, 44.621, 77.871



82, 54.061, 76.415



97, 61.646, 109.377



52, 4.852, 83.281



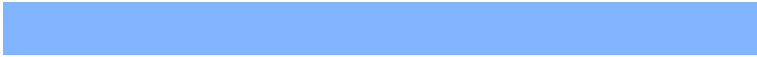
55, 66.815, 68.423



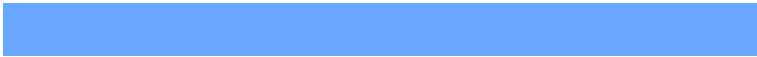
18, 27.309, 70.915

Inverse Universe

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



73, 41.916, 273.943



68, 50.425, 276.868



60, 70.538, 299.541



50, 4.807, 265.867



36, 69.365, 291.838



10, 27.886, 286.038

Previews

White Background



This preview shows how the CIELCh color 85, 44.776, 77.547 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, 44.776, 77.547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

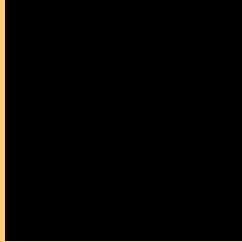
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 44.776, 77.547

Background



This preview shows how black text looks on a background with the CIELCh color 85, 44.776, 77.547.

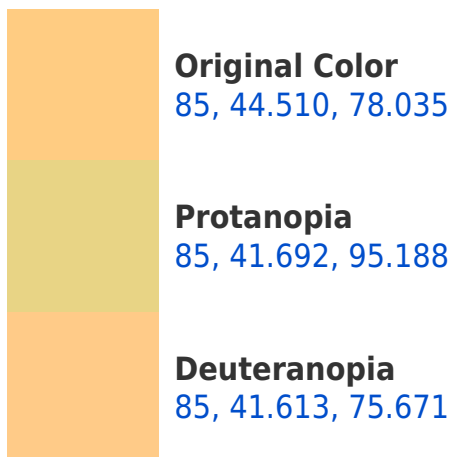


This preview shows how white text looks on a background with the CIELCh color 85, 44.776, 77.547.

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, 22.506, 5.117

Trichromacy



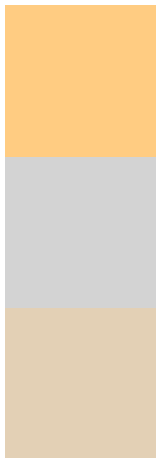
Original Color
85, 44.510, 78.035

Protanomaly
85, 42.084, 88.844

Deuteranomaly
85, 42.515, 76.242

Tritanomaly
85, 24.370, 44.739

Monochromacy



Original Color
85, 44.510, 78.035

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, 44.776, 77.547 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 44.776, 77.547 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, 130) }
```

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

```
.border{ border-color:rgb(255, 204, 130) }
```

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, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 44.776, 77.547 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, 130) }
```

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

```
.background{ background-color: rgb(255,  
204, 130) }
```

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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