

Converting Colors

CIELCh(83, 49.297, 76.827)

Have a look what the booklet for
CIELCh(83, 49.297, 76.827) contains.

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Color

CIELCh(83, 49.344, 76.797)

Conversions

Conversions Part 1

Format	Color
Hex	FEC574
RGB	254, 197, 116
RGB Percent	100%, 77%, 45%
CMY	0.0046, 0.2280, 0.5456
CMYK	0.00, 0.22, 0.54, 0.00
HSL	35°, 98%, 72%
HSV	35°, 54%, 100%
XYZ	63.8902, 62.1629, 25.1115
YIQ	204.8090, 59.9730, -13.1070

Conversions

Conversions Part 2

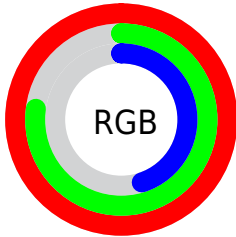
Format	Color
R _Y B	213, 254, 116
Decimal	16696692
CIE Lab	83.00, 11.27, 48.04
CIE LCh	83, 49.344, 76.797
Yxy	62.1629, 0.4227, 0.4112
Android (android.graphics.Color)	4294886772 (0xFFFE574)
YUV	204.8090, -43.7828, 43.1405
Hunter-Lab	78.8435, 6.6699, 36.3067

Details

The CIELCh color **83, 49.344, 76.797** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **70, 45.998, 275.123**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 42.075, 106.423**, and **63, 49.192, 76.696** is the 20% darker color. If you saturate the color by 10%, you get **80, 58.842, 75.278**, and if you desaturate by 10%, it is **86, 39.773, 78.250**.

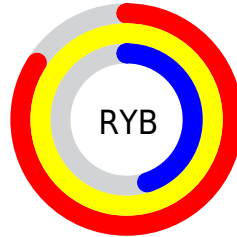
Distribution



Red (100%)

Green (77%)

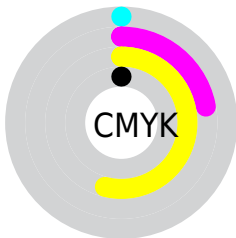
Blue (45%)



Red (84%)

Yellow (100%)

Blue (45%)

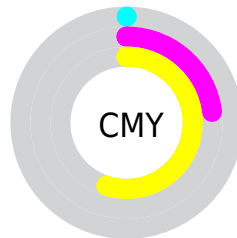


Cyan (0%)

Magenta (22%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (23%)

Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 49.344, 76.797 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 83, 49.344, 76.797 by changing the saturation by 10% instead.

 83, 49.344, 76.797

 83, 49.344, 76.797

 100, 49.344,
76.797

 73, 49.344, 76.797

 63, 49.344, 76.797

 53, 49.344, 76.797

 43, 49.344, 76.797

 33, 49.344, 76.797

 23, 49.344, 76.797

 13, 49.344, 76.797

 3, 49.344, 76.797

 0, 49.344, 76.797

83, 49.344, 76.797

83, 49.344, 76.797

80, 58.842, 75.278

86, 39.773, 78.250

78, 67.829, 73.609

89, 30.349, 79.654

75, 75.531, 71.645

92, 21.170, 81.020

73, 80.870, 69.130

95, 12.272, 82.344

71, 82.840, 67.463

98, 3.657, 83.572

100, 0.404,
201.019

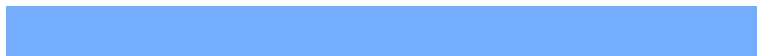
Harmonies

Complementary

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



83, 49.344, 76.797



70, 45.998, 275.123

Rectangle

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



83, 49.344, 76.797



83, 49.344, 126.797



83, 49.344, 256.797



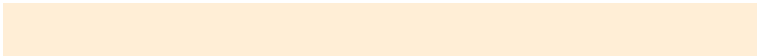
83, 49.344, 306.797

Sweetspot

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



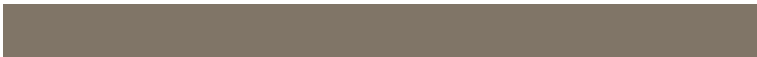
83, 49.344, 76.801



95, 13.766, 82.129



67, 58.463, 355.325



50, 9.326, 81.859



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 49.344, 76.801



80, 59.663, 75.173



96, 67.210, 109.010



52, 4.838, 82.962



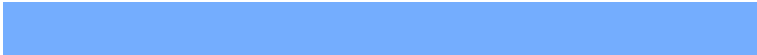
55, 66.858, 68.110



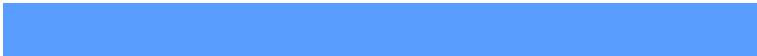
18, 27.285, 70.574

Inverse Universe

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



70, 45.998, 275.123



65, 55.382, 278.562



56, 78.414, 300.433



50, 4.790, 265.550



37, 68.936, 291.590



10, 27.721, 285.761

Previews

White Background



This preview shows how the CIELCh color 83, 49.344, 76.797 looks on a white background.

Color Contrast Check

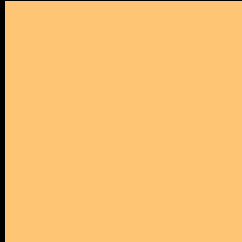
Large Text (above 18pt) WCAG AA × Fail

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 83, 49.344, 76.797 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 83, 49.344, 76.797

Background



This preview shows how black text looks on a background with the CIELCh color 83, 49.344, 76.797.



This preview shows how white text looks on a background with the CIELCh color 83, 49.344, 76.797.

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

83, 49.344, 76.797

Protanopia

83, 45.750, 95.621

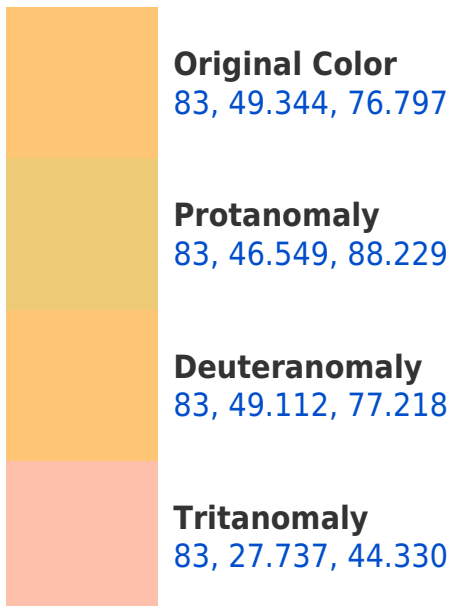
Deuteranopia

83, 49.112, 77.218



Tritanopia
83, 25.733, 6.281

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 49.344, 76.797 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, 197, 116)` looks like.

```
.text, #text, p{  
    color:rgb(254, 197, 116)  
}
```

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, 197, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 197, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 49.344, 76.797 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, 197, 116) }
```

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

```
.border{ border-color:rgb(254, 197, 116) }
```

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

Here you see how a box with a 4 pixel rgb(254, 197, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 197, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 197, 116);  
box-shadow:4px 4px 4px 4px rgb(254, 197,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 49.344, 76.797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 197, 116) }
```

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

```
.background{ background-color: rgb(254,  
197, 116) }
```

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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