

Converting Colors

CIELCh(85, 51.604, 70.060)

Have a look what the booklet for
CIELCh(85, 51.604, 70.060) contains.

CIELCh(83, 47.512, 75.917)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(83, 47.512, 75.917)

Conversions

Conversions Part 1

Format	Color
Hex	FEC578
RGB	254, 197, 120
RGB Percent	100%, 77%, 47%
CMY	0.0054, 0.2285, 0.5302
CMYK	0.00, 0.22, 0.53, 0.01
HSL	34°, 98%, 73%
HSV	34°, 53%, 99%
XYZ	64.0175, 62.1629, 26.3320
YIQ	205.2650, 58.6890, -11.8630

Conversions

Conversions Part 2

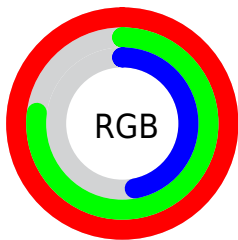
Format	Color
RYB	219, 254, 120
Decimal	16696696
CIELab	83.00, 11.56, 46.08
CIELCh	83, 47.512, 75.917
Yxy	62.1629, 0.4198, 0.4076
Android (android.graphics.Color)	4294886776 (0xFFFE578)
YUV	205.2650, -42.0356, 42.7406
Hunter-Lab	78.8435, 6.9581, 35.3889

Details

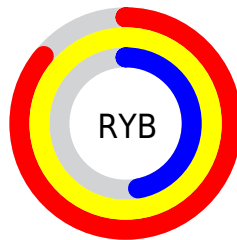
The CIELCh color **83, 47.512, 75.917** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **71, 43.855, 273.543**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 40.124, 106.551**, and **63, 47.428, 75.878** is the 20% darker color. If you saturate the color by 10%, you get **80, 57.066, 74.425**, and if you desaturate by 10%, it is **86, 37.966, 77.352**.

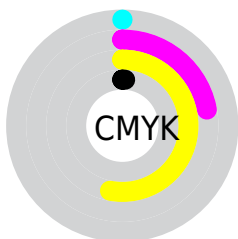
Distribution



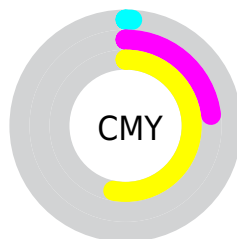
- Red (100%)
- Green (77%)
- Blue (47%)



- Red (86%)
- Yellow (100%)
- Blue (47%)



- Cyan (0%)
- Magenta (22%)
- Yellow (53%)
- Black (1%)



- Cyan (1%)
- Magenta (23%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 47.512, 75.917 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, 47.512, 75.917 by changing the saturation by 10% instead.

 83, 47.512, 75.917

 83, 47.512, 75.917

 100, 47.512,
75.917

 73, 47.512, 75.917

 63, 47.512, 75.917

 53, 47.512, 75.917

 43, 47.512, 75.917

 33, 47.512, 75.917

 23, 47.512, 75.917

 13, 47.512, 75.917

 3, 47.512, 75.917

 0, 47.512, 75.917

83, 47.512, 75.917

83, 47.512, 75.917

80, 57.066, 74.425

86, 37.966, 77.352

77, 66.243, 72.798

89, 28.614, 78.742

75, 74.334, 70.902

92, 19.538, 80.096

72, 80.276, 68.487

95, 10.762, 81.408

71, 83.022, 66.352

99, 2.281, 82.569

100, 0.481,
200.752

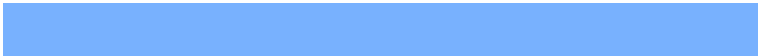
Harmonies

Complementary

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



83, 47.512, 75.917



71, 43.855, 273.543

Rectangle

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



83, 47.512, 75.917



83, 47.512, 125.917



83, 47.512, 255.917



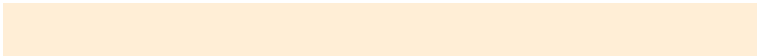
83, 47.512, 305.917

Sweetspot

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



83, 47.512, 75.921



95, 13.633, 80.988



68, 57.239, 353.881



50, 9.238, 80.719



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, 47.512, 75.921



80, 57.547, 74.385



97, 65.350, 108.335



52, 4.788, 81.819



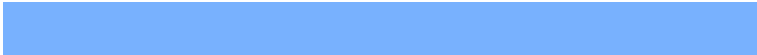
54, 67.029, 67.009



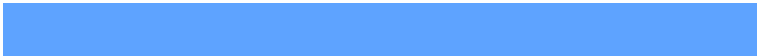
17, 27.208, 69.366

Inverse Universe

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



71, 43.855, 273.543



66, 52.669, 276.795



57, 75.862, 299.745



50, 4.733, 264.410



37, 67.424, 290.690



10, 27.142, 284.757

Previews

White Background



This preview shows how the CIELCh color 83, 47.512, 75.917 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, 47.512, 75.917 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, 47.512, 75.917

Background



This preview shows how black text looks on a background with the CIELCh color 83, 47.512, 75.917.



This preview shows how white text looks on a background with the CIELCh color 83, 47.512, 75.917.

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, 47.559, 75.889

Protanopia

83, 43.722, 95.908

Deuteranopia

83, 47.087, 76.753



Tritanopia
83, 25.733, 6.281

Trichromacy



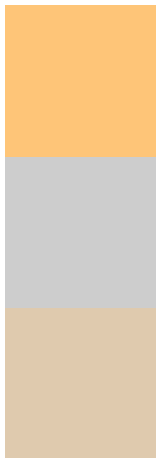
Original Color
83, 47.559, 75.889

Protanomaly
83, 44.501, 88.206

Deuteranomaly
83, 47.321, 76.319

Tritanomaly
83, 27.097, 43.706

Monochromacy



Original Color
83, 47.559, 75.889

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 16.921, 79.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 47.512, 75.917 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(254, 197, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 197, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 47.512, 75.917 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, 120) }
```

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

```
.border{ border-color:rgb(254, 197, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 197, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 197, 120);  
box-shadow:4px 4px 4px 4px rgb(254, 197,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 47.512, 75.917 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, 120) }
```

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

```
.background{ background-color: rgb(254,  
197, 120) }
```

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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