

Converting Colors

CIELCh(87, 66.338, 60.048)

Have a look what the booklet for
CIELCh(87, 66.338, 60.048) contains.

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Color

CIELCh(82, 51.788, 74.016)

Conversions

Conversions Part 1

Format	Color
Hex	FFC06E
RGB	255, 192, 110
RGB Percent	100%, 75%, 43%
CMY	0.0000, 0.2470, 0.5688
CMYK	0.00, 0.25, 0.57, 0.00
HSL	34°, 100%, 72%
HSV	34°, 57%, 100%
XYZ	63.3144, 60.2982, 23.0397
YIQ	201.4890, 63.8700, -12.1460

Conversions

Conversions Part 2

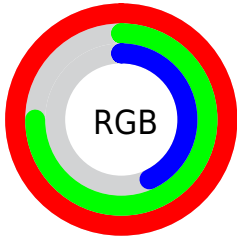
Format	Color
R _Y B	221, 255, 110
Decimal	16760942
CIE Lab	82.00, 14.26, 49.79
CIE LCh	82, 51.788, 74.016
Yxy	60.2982, 0.4317, 0.4112
Android (android.graphics.Color)	4294951022 (0xFFFFC06E)
YUV	201.4890, -45.1041, 46.9291
Hunter-Lab	77.6519, 9.6511, 36.7647

Details

The CIELCh color **82, 51.788, 74.016** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **70, 46.881, 273.933**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 42.818, 103.144**, and **62, 51.522, 74.692** is the 20% darker color. If you saturate the color by 10%, you get **79, 61.045, 72.925**, and if you desaturate by 10%, it is **85, 41.874, 75.897**.

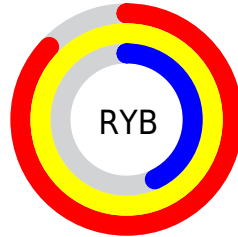
Distribution



Red (100%)

Green (75%)

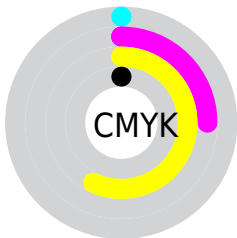
Blue (43%)



Red (87%)

Yellow (100%)

Blue (43%)

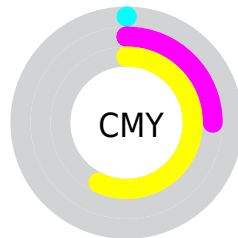


Cyan (0%)

Magenta (25%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (25%)

Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 51.788, 74.016 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 82, 51.788, 74.016 by changing the saturation by 10% instead.

 82, 51.788, 74.016

 82, 51.788, 74.016

 100, 51.788,
74.016

 72, 51.788, 74.016

 62, 51.788, 74.016

 52, 51.788, 74.016

 42, 51.788, 74.016

 32, 51.788, 74.016

 22, 51.788, 74.016

 12, 51.788, 74.016

 2, 51.788, 74.016

 0, 51.788, 74.016

82, 51.788, 74.016

82, 51.788, 74.016

79, 61.045, 72.925

85, 41.874, 75.897

76, 69.993, 71.220

88, 32.400, 77.294

74, 77.477, 69.151

91, 23.196, 78.657

71, 82.386, 66.421

94, 14.302, 79.984

70, 83.575, 65.497

98, 5.721, 81.247

100, 0.012,
296.813

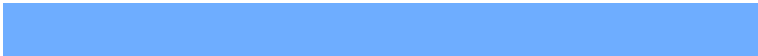
Harmonies

Complementary

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



82, 51.788, 74.016



70, 46.881, 273.933

Rectangle

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



82, 51.788, 74.016



82, 51.788, 124.016



82, 51.788, 254.016



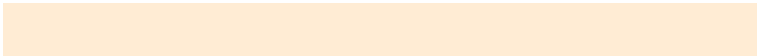
82, 51.788, 304.016

Sweetspot

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



82, 51.506, 74.453



94, 14.407, 79.968



66, 61.909, 353.539



50, 9.672, 79.705



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 51.506, 74.453



79, 62.089, 72.745



97, 70.069, 107.243



51, 4.751, 80.927



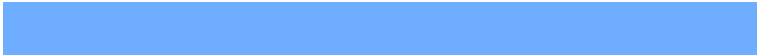
54, 67.180, 66.173



17, 27.157, 68.438

Inverse Universe

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



70, 46.881, 273.933



64, 56.093, 277.707



54, 82.771, 300.136



50, 4.691, 263.518



38, 66.271, 289.974



10, 26.703, 283.963

Previews

White Background



This preview shows how the CIELCh color 82, 51.788, 74.016 looks on a white background.

Color Contrast Check

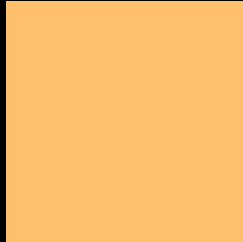
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 82, 51.788, 74.016 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 82, 51.788, 74.016

Background



This preview shows how black text looks on a background with the CIELCh color 82, 51.788, 74.016.



This preview shows how white text looks on a background with the CIELCh color 82, 51.788, 74.016.

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
82, 27.253, 8.435

Trichromacy



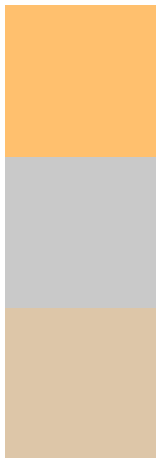
Original Color
82, 51.484, 74.436

Protanomaly
82, 47.750, 87.904

Deuteranomaly
82, 51.337, 76.483

Tritanomaly
82, 29.934, 44.873

Monochromacy



Original Color
82, 51.484, 74.436

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 18.327, 79.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 51.788, 74.016 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, 192, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 192, 110)  
}
```

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, 192, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 192, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 51.788, 74.016 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, 192, 110) }
```

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

```
.border{ border-color:rgb(255, 192, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 192, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 192, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 192, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 192,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 51.788, 74.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 192, 110) }
```

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

```
.background{ background-color: rgb(255,  
192, 110) }
```

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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