

Converting Colors

CIELCh(80, 50.524, 68.184)

Have a look what the booklet for
CIELCh(80, 50.524, 68.184) contains.

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Color

CIELCh(80, 50.131, 68.237)

Conversions

Conversions Part 1

Format	Color
Hex	FFB870
RGB	255, 184, 112
RGB Percent	100%, 72%, 44%
CMY	0.0000, 0.2799, 0.5624
CMYK	0.00, 0.28, 0.56, 0.00
HSL	30°, 100%, 72%
HSV	30°, 56%, 100%
XYZ	61.4647, 56.6813, 22.9121
YIQ	197.0210, 65.4280, -7.3400

Conversions

Conversions Part 2

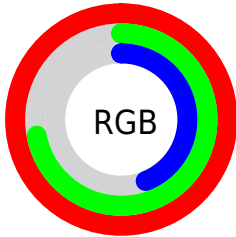
Format	Color
R_{YB}	253, 255, 112
Decimal	16758896
CIE _{Lab}	80.00, 18.59, 46.56
CIE _{LCh}	80, 50.131, 68.237
Yxy	56.6813, 0.4357, 0.4018
Android (android.graphics.Color)	4294948976 (0xFFFFB870)
YUV	197.0210, -41.9154, 50.8476
Hunter-Lab	75.2870, 13.9761, 34.6571

Details

The CIELCh color **80, 50.131, 68.237** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **73, 42.423, 267.223**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 38.513, 98.272**, and **60, 49.642, 68.533** is the 20% darker color. If you saturate the color by 10%, you get **77, 59.777, 67.123**, and if you desaturate by 10%, it is **83, 40.193, 69.809**.

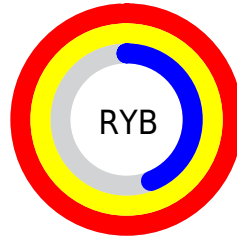
Distribution



Red (100%)

Green (72%)

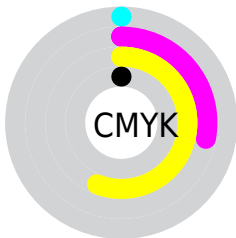
Blue (44%)



Red (99%)

Yellow (100%)

Blue (44%)

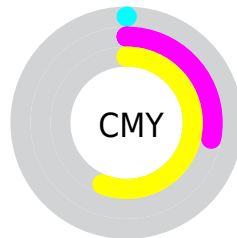


Cyan (0%)

Magenta (28%)

Yellow (56%)

Black (0%)



Cyan (0%)

Magenta (28%)

Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 50.131, 68.237 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 80, 50.131, 68.237 by changing the saturation by 10% instead.

 80, 50.131, 68.237

 80, 50.131, 68.237

 100, 50.131,
68.237

 70, 50.131, 68.237

 60, 50.131, 68.237

 50, 50.131, 68.237

 40, 50.131, 68.237

 30, 50.131, 68.237

 20, 50.131, 68.237

 10, 50.131, 68.237

 0, 50.131, 68.237

 80, 50.131, 68.237

 80, 50.131, 68.237

77, 59.777, 67.123

83, 40.193, 69.809

74, 69.314, 65.592

87, 30.780, 71.098

71, 77.705, 63.696

90, 21.762, 72.373

68, 83.727, 61.079

94, 13.151, 73.628

67, 85.510, 59.978

98, 4.932, 74.820

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.



80, 50.131, 68.237



73, 42.423, 267.223

Rectangle

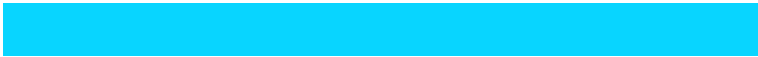
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 50.131, 68.237



80, 50.131, 118.237



80, 50.131, 248.237



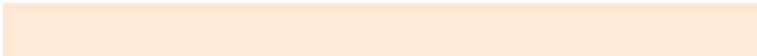
80, 50.131, 298.237

Sweetspot

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



80, 49.925, 68.496



94, 13.794, 73.533



67, 62.699, 350.120



49, 9.271, 73.283



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 49.925, 68.496



76, 60.523, 67.013



98, 69.324, 104.876



51, 4.532, 74.446



51, 68.625, 60.688



16, 27.009, 62.063

Inverse Universe

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



73, 42.423, 267.223



68, 50.096, 270.952



54, 81.846, 298.923



51, 4.433, 256.984



41, 58.586, 284.418



12, 23.834, 277.882

Previews

White Background



This preview shows how the CIELCh color 80, 50.131, 68.237 looks on a white background.

Color Contrast Check

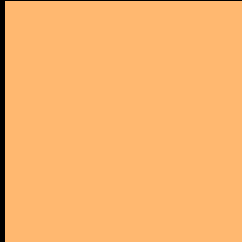
Large Text (above 18pt) WCAG AA × Fail

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 80, 50.131, 68.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

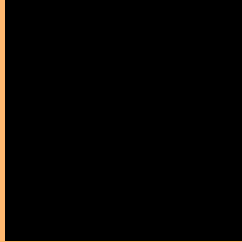
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 50.131, 68.237

Background



This preview shows how black text looks on a background with the CIELCh color 80, 50.131, 68.237.



This preview shows how white text looks on a background with the CIELCh color 80, 50.131, 68.237.

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

80, 49.781, 68.629

Protanopia

80, 43.409, 96.204

Deuteranopia

80, 47.899, 77.838



Tritanopia
80, 30.524, 10.231

Trichromacy



Original Color
80, 49.781, 68.629

Protanomaly
80, 44.247, 84.902

Deuteranomaly
80, 48.344, 74.086

Tritanomaly
80, 32.559, 38.548

Monochromacy



Original Color
80, 49.781, 68.629

Achromatopsia
80, 0.010, 296.813

Achromatomaly
79, 17.293, 72.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 50.131, 68.237 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, 184, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 112)  
}
```

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, 184, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 50.131, 68.237 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, 184, 112) }
```

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

```
.border{ border-color:rgb(255, 184, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 184, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 184, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 184, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 184,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 50.131, 68.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 184, 112) }
```

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

```
.background{ background-color: rgb(255,  
184, 112) }
```

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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