

Converting Colors

CIELCh(80, 38.175, 50.332)

Have a look what the booklet for
CIELCh(80, 38.175, 50.332) contains.

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Color

CIELCh(80, 36.930, 51.091)

Conversions

Conversions Part 1

Format	Color
Hex	FFB592
RGB	255, 181, 146
RGB Percent	100%, 71%, 57%
CMY	0.0000, 0.2896, 0.4271
CMYK	0.00, 0.29, 0.43, 0.00
HSL	19°, 100%, 79%
HSV	19°, 43%, 100%
XYZ	63.4509, 56.6813, 34.8290
YIQ	199.1360, 55.3390, 4.8030

Conversions

Conversions Part 2

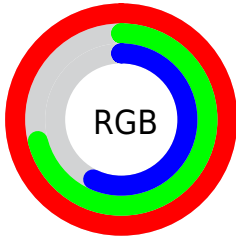
Format	Color
R _Y B	255, 198, 146
Decimal	16758162
CIE Lab	80.00, 23.20, 28.74
CIE LCh	80, 36.930, 51.091
Yxy	56.6813, 0.4095, 0.3658
Android (android.graphics.Color)	4294948242 (0xFFFFB592)
YUV	199.1360, -26.1960, 48.9927
Hunter-Lab	75.2870, 18.6853, 25.2723

Details

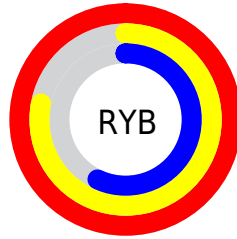
The CIELCh color **80, 36.930, 51.091** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **84, 28.041, 239.841**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 20.149, 88.840**, and **60, 36.576, 51.623** is the 20% darker color. If you saturate the color by 10%, you get **76, 46.726, 51.071**, and if you desaturate by 10%, it is **84, 26.877, 52.004**.

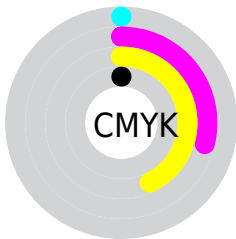
Distribution



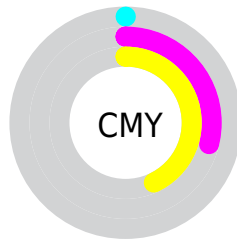
- Red (100%)
- Green (71%)
- Blue (57%)



- Red (100%)
- Yellow (78%)
- Blue (57%)



- Cyan (0%)
- Magenta (29%)
- Yellow (43%)
- Black (0%)



- Cyan (0%)
- Magenta (29%)
- Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 36.930, 51.091 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, 36.930, 51.091 by changing the saturation by 10% instead.

 80, 36.930, 51.091

 80, 36.930, 51.091

 100, 36.930,
51.091

 70, 36.930, 51.091

 60, 36.930, 51.091

 50, 36.930, 51.091

 40, 36.930, 51.091

 30, 36.930, 51.091

 20, 36.930, 51.091

 10, 36.930, 51.091

 0, 36.930, 51.091

 80, 36.930, 51.091

 80, 36.930, 51.091

76, 46.726, 51.071

84, 26.877, 52.004

71, 57.568, 50.751

89, 17.960, 52.608

68, 68.740, 50.468

94, 9.681, 53.266

64, 79.630, 50.040

99, 1.985, 53.767

61, 88.963, 49.050

100, 0.012,
296.813

59, 94.123, 47.837

Harmonies

Complementary

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



80, 36.930, 51.091



84, 28.041, 239.841

Rectangle

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



80, 36.930, 51.091



80, 36.930, 101.091



80, 36.930, 231.091



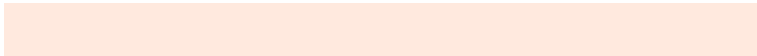
80, 36.930, 281.091

Sweetspot

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



80, 36.467, 51.486



94, 9.914, 53.247



74, 54.411, 338.327



49, 6.995, 53.100



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, 36.467, 51.486



76, 44.929, 51.134



93, 45.793, 96.355



51, 4.280, 53.476



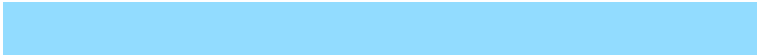
45, 75.326, 48.434



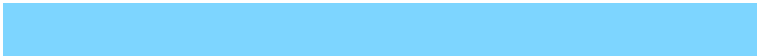
13, 28.277, 45.514

Inverse Universe

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



84, 28.041, 239.841



81, 32.494, 241.696



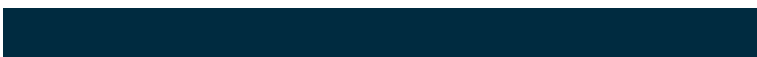
70, 48.791, 288.127



51, 4.076, 235.165



51, 40.950, 260.215



16, 17.705, 253.038

Previews

White Background



This preview shows how the CIELCh color 80, 36.930, 51.091 looks on a white background.

Color Contrast Check

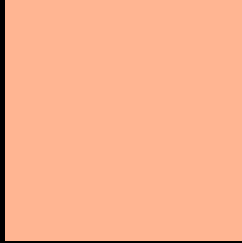
Large Text (above 18pt) WCAG AA × Fail

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, 36.930, 51.091 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, 36.930, 51.091

Background



This preview shows how black text looks on a background with the CIELCh color 80, 36.930, 51.091.



This preview shows how white text looks on a background with the CIELCh color 80, 36.930, 51.091.

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, 36.511, 51.409

Protanopia

80, 23.936, 94.502

Deuteranopia

80, 30.992, 71.121



Tritanopia
80, 30.524, 10.231

Trichromacy



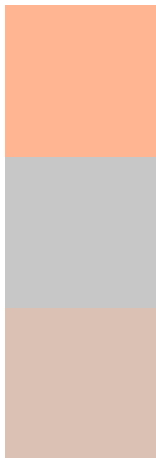
Original Color
80, 36.511, 51.409

Protanomaly
80, 26.421, 74.495

Deuteranomaly
80, 32.307, 63.408

Tritanomaly
80, 30.412, 27.796

Monochromacy



Original Color
80, 36.511, 51.409

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 12.202, 54.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 36.930, 51.091 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, 181, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 146)  
}
```

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, 181, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 36.930, 51.091 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, 181, 146) }
```

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

```
.border{ border-color:rgb(255, 181, 146) }
```

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

Here you see how a box with a 4 pixel rgb(255, 181, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 36.930, 51.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 146) }
```

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

```
.background{ background-color: rgb(255,  
181, 146) }
```

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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