

Converting Colors

CIELCh(100, 99.315, 38.774)

Have a look what the booklet for
CIELCh(100, 99.315, 38.774)
contains.

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Color

CIELCh(80, 39.236, 57.772)

Conversions

Conversions Part 1

Format	Color
Hex	FFB78A
RGB	255, 183, 138
RGB Percent	100%, 72%, 54%
CMY	0.0019, 0.2840, 0.4604
CMYK	0.00, 0.28, 0.46, 0.00
HSL	23°, 99%, 77%
HSV	23°, 46%, 100%
XYZ	62.4668, 56.6813, 31.5361
YIQ	199.3980, 57.3570, 1.2690

Conversions

Conversions Part 2

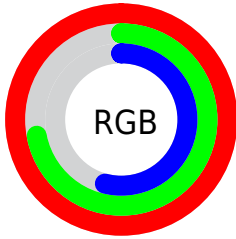
Format	Color
R _Y B	255, 211, 138
Decimal	16758666
CIE Lab	80.00, 20.92, 33.19
CIE LCh	80, 39.236, 57.772
Yxy	56.6813, 0.4146, 0.3762
Android (android.graphics.Color)	4294948746 (0xFFFFB78A)
YUV	199.3980, -30.2692, 48.7630
Hunter-Lab	75.2870, 16.3520, 27.8656

Details

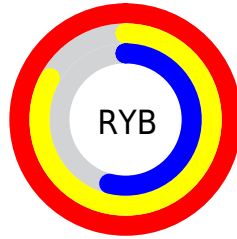
The CIELCh color **80, 39.236, 57.772** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **81, 30.955, 249.497**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.783, 93.932**, and **60, 39.497, 58.039** is the 20% darker color. If you saturate the color by 10%, you get **76, 49.363, 56.983**, and if you desaturate by 10%, it is **84, 29.669, 58.622**.

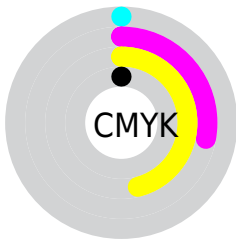
Distribution



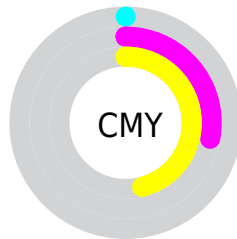
- Red (100%)
- Green (72%)
- Blue (54%)



- Red (100%)
- Yellow (83%)
- Blue (54%)



- Cyan (0%)
- Magenta (28%)
- Yellow (46%)
- Black (0%)



- Cyan (0%)
- Magenta (28%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 39.236, 57.772 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, 39.236, 57.772 by changing the saturation by 10% instead.

 80, 39.236, 57.772

 80, 39.236, 57.772

 100, 39.236,
57.772

 70, 39.236, 57.772

 60, 39.236, 57.772

 50, 39.236, 57.772

 40, 39.236, 57.772

 30, 39.236, 57.772

 20, 39.236, 57.772

 10, 39.236, 57.772

 0, 39.236, 57.772

 80, 39.236, 57.772

 80, 39.236, 57.772

76, 49.363, 56.983

84, 29.669, 58.622

72, 59.912, 56.211

88, 20.696, 59.515

69, 70.526, 55.367

93, 12.299, 60.441

66, 80.413, 54.216

97, 4.435, 61.333

63, 88.169, 52.303

100, 0.165,
203.413

62, 90.728, 51.390

Harmonies

Complementary

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



80, 39.236, 57.772



81, 30.955, 249.497

Rectangle

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



80, 39.236, 57.772



80, 39.236, 107.772



80, 39.236, 237.772



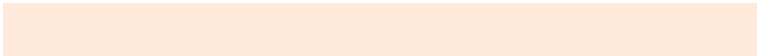
80, 39.236, 287.772

Sweetspot

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



80, 39.235, 57.777



94, 10.747, 60.621



72, 55.745, 341.931



49, 7.473, 60.421



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, 39.235, 57.777



77, 48.460, 57.056



94, 52.050, 99.936



51, 4.300, 61.032



47, 72.751, 52.053



14, 27.595, 50.822

Inverse Universe

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



81, 30.955, 249.497



78, 36.202, 251.976



66, 57.220, 292.093



51, 4.130, 243.141



48, 46.109, 270.313



15, 19.407, 263.074

Previews

White Background



This preview shows how the CIELCh color 80, 39.236, 57.772 looks on a white background.

Color Contrast Check

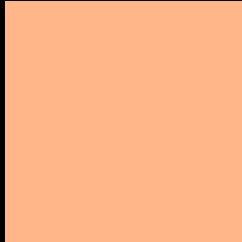
Large Text (above 18pt) WCAG AA × Fail

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, 39.236, 57.772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

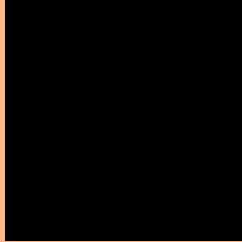
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 39.236, 57.772

Background



This preview shows how black text looks on a background with the CIELCh color 80, 39.236, 57.772.



This preview shows how white text looks on a background with the CIELCh color 80, 39.236, 57.772.

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, 39.236, 57.772

Protanopia

80, 29.623, 95.646

Deuteranopia

80, 35.071, 73.518



Tritanopia
80, 30.110, 10.020

Trichromacy



Original Color
80, 39.236, 57.772

Protanomaly
80, 31.020, 79.100

Deuteranomaly
80, 35.910, 67.042

Tritanomaly
80, 30.392, 30.704

Monochromacy



Original Color
80, 39.236, 57.772

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 13.224, 59.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 39.236, 57.772 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, 183, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 138)  
}
```

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, 183, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 39.236, 57.772 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, 183, 138) }
```

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

```
.border{ border-color:rgb(255, 183, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 183, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 39.236, 57.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 183, 138) }
```

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

```
.background{ background-color: rgb(255,  
183, 138) }
```

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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