

Converting Colors

CIELCh(80, 45.759, 67.711)

Have a look what the booklet for
CIELCh(80, 45.759, 67.711) contains.

CIELCh(80, 45.592, 68.032)	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(80, 45.592, 68.032)

Conversions

Conversions Part 1

Format	Color
Hex	FCB978
RGB	252, 185, 120
RGB Percent	99%, 73%, 47%
CMY	0.0122, 0.2749, 0.5298
CMYK	0.00, 0.27, 0.52, 0.01
HSL	30°, 95%, 73%
HSV	30°, 52%, 99%
XYZ	60.8138, 56.6813, 25.4729
YIQ	197.6230, 60.7970, -6.0110

Conversions

Conversions Part 2

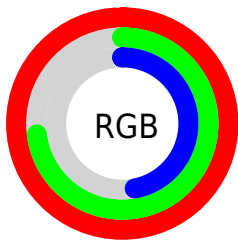
Format	Color
R _Y B	252, 248, 120
Decimal	16562552
CIE Lab	80.00, 17.06, 42.28
CIE LCh	80, 45.592, 68.032
Yxy	56.6813, 0.4254, 0.3965
Android (android.graphics.Color)	4294752632 (0xFFFCB978)
YUV	197.6230, -38.2681, 47.6886
Hunter-Lab	75.2870, 12.4330, 32.6405

Details

The CIELCh color **80, 45.592, 68.032** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **74, 38.772, 264.918**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 34.975, 98.401**, and **60, 45.335, 68.207** is the 20% darker color. If you saturate the color by 10%, you get **77, 55.375, 66.727**, and if you desaturate by 10%, it is **83, 36.048, 69.309**.

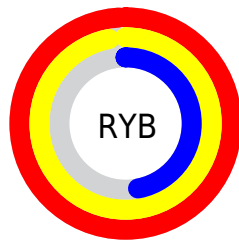
Distribution



Red (99%)

Green (73%)

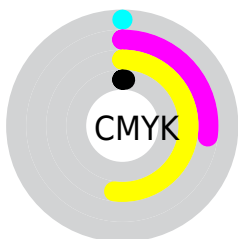
Blue (47%)



Red (99%)

Yellow (97%)

Blue (47%)

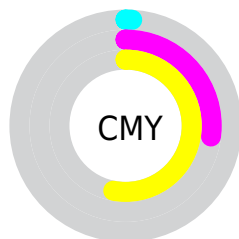


Cyan (0%)

Magenta (27%)

Yellow (52%)

Black (1%)



Cyan (1%)

Magenta (27%)

Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 45.592, 68.032 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, 45.592, 68.032 by changing the saturation by 10% instead.

 80, 45.592, 68.032

 80, 45.592, 68.032

 100, 45.592,
68.032

 70, 45.592, 68.032

 60, 45.592, 68.032

 50, 45.592, 68.032

 40, 45.592, 68.032

 30, 45.592, 68.032

 20, 45.592, 68.032

 10, 45.592, 68.032

 0, 45.592, 68.032

 80, 45.592, 68.032

 80, 45.592, 68.032

77, 55.375, 66.727

83, 36.048, 69.309

74, 65.085, 65.312

87, 26.880, 70.569

71, 74.073, 63.632

91, 18.130, 71.818

68, 81.238, 61.380

94, 9.792, 73.042

66, 85.075, 59.195

98, 1.843, 74.071

100, 1.083,
199.949

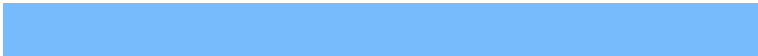
Harmonies

Complementary

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



80, 45.592, 68.032



74, 38.772, 264.918

Rectangle

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



80, 45.592, 68.032



80, 45.592, 118.032



80, 45.592, 248.032



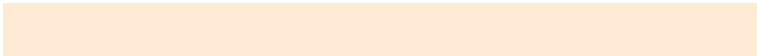
80, 45.592, 298.032

Sweetspot

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



80, 45.592, 68.037



94, 12.877, 72.604



68, 58.837, 348.440



49, 8.738, 72.352



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, 45.592, 68.037



77, 56.531, 66.640



96, 63.590, 104.425



50, 4.429, 73.386



50, 68.210, 59.917



15, 25.836, 60.891

Inverse Universe

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



74, 38.772, 264.918



70, 46.584, 268.397



57, 73.595, 297.504



50, 4.326, 255.901



41, 56.812, 283.395



11, 22.646, 276.426

Previews

White Background



This preview shows how the CIELCh color 80, 45.592, 68.032 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, 45.592, 68.032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

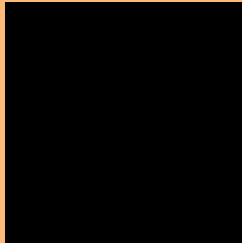
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 45.592, 68.032

Background



This preview shows how black text looks on a background with the CIELCh color 80, 45.592, 68.032.



This preview shows how white text looks on a background with the CIELCh color 80, 45.592, 68.032.

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, 45.592, 68.032

Protanopia

80, 39.461, 95.656

Deuteranopia

80, 43.760, 76.901



Tritanopia
80, 30.110, 10.020

Trichromacy



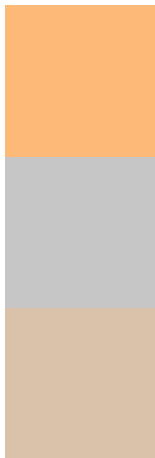
Original Color
80, 45.592, 68.032

Protanomaly
80, 40.527, 84.698

Deuteranomaly
80, 44.424, 73.546

Tritanomaly
80, 30.841, 37.378

Monochromacy



Original Color
80, 45.592, 68.032

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 15.724, 70.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 45.592, 68.032 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(252, 185, 120)` looks like.

```
.text, #text, p{  
    color:rgb(252, 185, 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(252, 185, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 185, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 45.592, 68.032 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(252, 185, 120) }
```

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

```
.border{ border-color:rgb(252, 185, 120) }
```

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

Here you see how a box with a 4 pixel rgb(252, 185, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 185, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 185, 120);  
box-shadow:4px 4px 4px 4px rgb(252, 185,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 45.592, 68.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 185, 120) }
```

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

```
.background{ background-color: rgb(252,  
185, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor