

# Converting Colors

CIELCh(79, 51.018, 68.124)

Have a look what the booklet for  
CIELCh(79, 51.018, 68.124) contains.

<b>CIELCh(79, 51.383, 68.380)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# **Color**

**CIELCh(79, 51.383, 68.380)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEB56B
RGB	254, 181, 107
RGB Percent	100%, 71%, 42%
CMY	0.0057, 0.2917, 0.5818
CMYK	0.00, 0.29, 0.58, 0.01
HSL	30°, 98%, 71%
HSV	30°, 58%, 99%
XYZ	59.7891, 54.9284, 21.2581
YIQ	194.3910, 67.2620, -7.5380

# Conversions

## Conversions Part 2

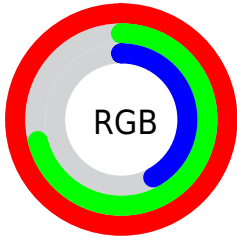
Format	Color
R <sub>Y</sub> B	252, 254, 107
Decimal	16692587
CIE Lab	79.00, 18.93, 47.77
CIE LCh	79, 51.383, 68.380
Yxy	54.9284, 0.4397, 0.4040
Android (android.graphics.Color)	4294882667 (0xFFFE56B)
YUV	194.3910, -43.0838, 52.2771
Hunter-Lab	74.1137, 14.3007, 34.8734

# Details

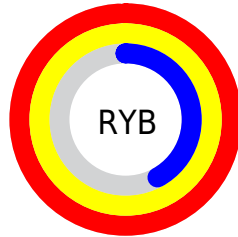
The CIELCh color **79, 51.383, 68.380** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **71, 43.521, 267.901**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 39.791, 96.635**, and **59, 51.286, 68.125** is the 20% darker color. If you saturate the color by 10%, you get **76, 61.168, 66.990**, and if you desaturate by 10%, it is **82, 41.660, 69.706**.

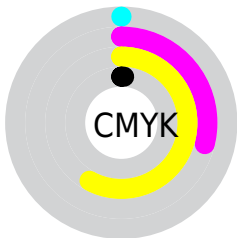
# Distribution



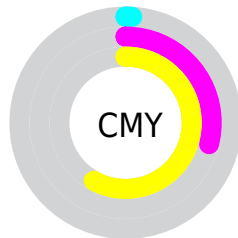
- Red (100%)
- Green (71%)
- Blue (42%)



- Red (99%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (29%)
- Yellow (58%)
- Black (1%)



- Cyan (1%)
- Magenta (29%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 51.383, 68.380 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 79, 51.383, 68.380 by changing the saturation by 10% instead.



79, 51.383, 68.380

79, 51.383, 68.380

100, 51.383,  
68.380

69, 51.383, 68.380

99, 51.383, 68.380

59, 51.383, 68.380

49, 51.383, 68.380

39, 51.383, 68.380

29, 51.383, 68.380

19, 51.383, 68.380

9, 51.383, 68.380

0, 51.383, 68.380

79, 51.383, 68.380

79, 51.383, 68.380

76, 61.168, 66.990

82, 41.660, 69.706

73, 70.530, 65.412

86, 32.229, 71.000

70, 78.559, 63.418

89, 23.181, 72.280

67, 84.107, 60.673

93, 14.538, 73.541

67, 85.094, 60.088

97, 6.287, 74.755

100, 0.502,  
200.695

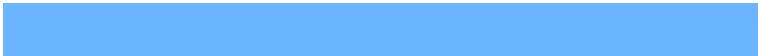
# Harmonies

# Complementary

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



79, 51.383, 68.380



71, 43.521, 267.901

# Rectangle

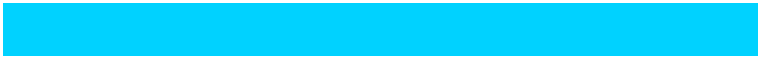
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79, 51.383, 68.380



79, 51.383, 118.380



79, 51.383, 248.380



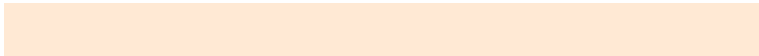
79, 51.383, 298.380

# Sweetspot

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



79, 51.382, 68.384



94, 13.804, 73.658



66, 64.025, 350.418



49, 9.277, 73.408



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



79, 51.382, 68.384



76, 63.440, 66.683



97, 70.811, 104.741



51, 4.536, 74.573



51, 68.592, 60.785



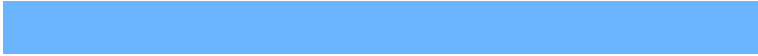
16, 27.009, 62.181





# Inverse Universe

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



71, 43.521, 267.901



66, 52.321, 272.224



53, 84.200, 299.297



51, 4.438, 257.112



41, 58.724, 284.533



12, 23.885, 278.006



# Previews

## White Background



This preview shows how the CIELCh color 79, 51.383, 68.380 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 79, 51.383, 68.380 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

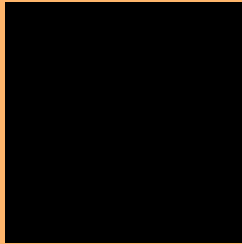
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 79, 51.383, 68.380

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 51.383, 68.380.



This preview shows how white text looks on a background with the CIELCh color 79, 51.383, 68.380.

# 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**

79, 51.383, 68.380

**Protanopia**

79, 44.567, 95.702

**Deuteranopia**

79, 49.346, 78.392



**Tritanopia**  
79, 31.738, 11.789



# Trichromacy



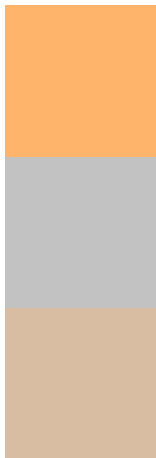
**Original Color**  
79, 51.383, 68.380

**Protanomaly**  
79, 45.485, 84.642

**Deuteranomaly**  
79, 49.769, 74.736

**Tritanomaly**  
79, 33.719, 39.004

# Monochromacy



**Original Color**  
79, 51.383, 68.380

**Achromatopsia**  
78, 0.009, 296.813

**Achromatomaly**  
78, 18.038, 72.312

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 51.383, 68.380 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(254, 181, 107)` looks like.

```
.text, #text, p{  
    color:rgb(254, 181, 107)  
}
```

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(254, 181, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 181, 107) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 51.383, 68.380 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(254, 181, 107) }
```

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

```
.border{ border-color:rgb(254, 181, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 181, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 181, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 181, 107);  
box-shadow:4px 4px 4px 4px rgb(254, 181,  
107) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 51.383, 68.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 181, 107) }
```

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

```
.background{ background-color: rgb(254,  
181, 107) }
```

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