

# Converting Colors

CIELCh(85, 68.676, 54.069)

Have a look what the booklet for  
CIELCh(85, 68.676, 54.069) contains.

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# **Color**

**CIELCh(79, 51.201, 67.090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB46C
RGB	255, 180, 108
RGB Percent	100%, 71%, 42%
CMY	0.0004, 0.2944, 0.5768
CMYK	0.00, 0.29, 0.58, 0.00
HSL	29°, 100%, 71%
HSV	29°, 58%, 100%
XYZ	60.2086, 54.9284, 21.5929
YIQ	194.2170, 67.8120, -6.4920

# Conversions

## Conversions Part 2

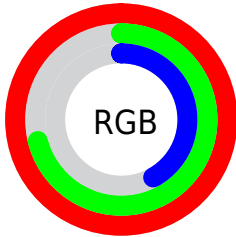
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 249, 108
Decimal	16757868
CIE <sub>Lab</sub>	79.00, 19.93, 47.16
CIE <sub>LCh</sub>	79, 51.201, 67.090
Yxy	54.9284, 0.4403, 0.4017
Android (android.graphics.Color)	4294947948 (0xFFFFB46C)
YUV	194.2170, -42.5050, 53.3067
Hunter-Lab	74.1137, 15.3112, 34.6055

# Details

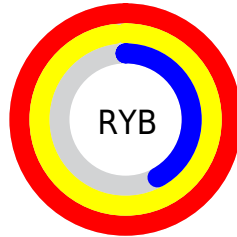
The CIELCh color **79, 51.201, 67.090** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **72, 42.698, 266.278**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 38.923, 95.878**, and **59, 51.170, 66.821** is the 20% darker color. If you saturate the color by 10%, you get **76, 61.111, 65.751**, and if you desaturate by 10%, it is **82, 41.402, 68.373**.

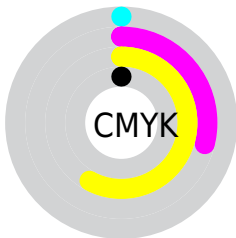
# Distribution



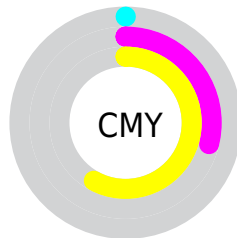
- Red (100%)
- Green (71%)
- Blue (42%)



- Red (100%)
- Yellow (98%)
- Blue (42%)



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



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

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 51.201, 67.090 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, 51.201, 67.090 by changing the saturation by 10% instead.



 79, 51.201, 67.090

 79, 51.201, 67.090

 100, 51.201,  
67.090

 69, 51.201, 67.090

 99, 51.201, 67.090

 59, 51.201, 67.090

 49, 51.201, 67.090

 39, 51.201, 67.090

 29, 51.201, 67.090

 19, 51.201, 67.090

 9, 51.201, 67.090

 0, 51.201, 67.090

 79, 51.201, 67.090

 79, 51.201, 67.090

76, 61.111, 65.751

82, 41.402, 68.373

73, 70.663, 64.233

86, 31.934, 69.632

70, 78.959, 62.307

90, 22.877, 70.882

67, 84.792, 59.616

93, 14.248, 72.118

66, 85.961, 58.956

97, 6.030, 73.308

100, 0.036,  
218.319

# Harmonies

# Complementary

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



79, 51.201, 67.090



72, 42.698, 266.278

# Rectangle

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



79, 51.201, 67.090



79, 51.201, 117.090



79, 51.201, 247.090



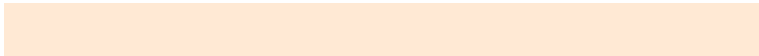
79, 51.201, 297.090

# Sweetspot

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



79, 51.200, 67.094



94, 13.696, 72.199



66, 64.553, 349.304



49, 9.206, 71.953



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, 51.200, 67.094



75, 62.445, 65.561



97, 69.849, 103.972



51, 4.496, 73.097



51, 68.987, 59.666



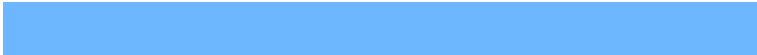
16, 27.020, 60.817





# Inverse Universe

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



72, 42.698, 266.278



67, 50.528, 270.321



54, 82.603, 298.674



51, 4.390, 255.612



42, 57.131, 283.174



12, 23.302, 276.540



# Previews

## White Background



This preview shows how the CIELCh color 79, 51.201, 67.090 looks on a white background.

## Color Contrast Check

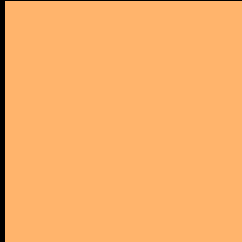
Large Text (above 18pt) WCAG AA × Fail

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, 51.201, 67.090 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, 51.201, 67.090

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 51.201, 67.090.



This preview shows how white text looks on a background with the CIELCh color 79, 51.201, 67.090.

# 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





**Tritanopia**  
79, 31.738, 11.789



# Trichromacy



**Original Color**  
79, 51.201, 67.090

**Protanomaly**  
79, 44.722, 83.800

**Deuteranomaly**  
79, 49.193, 73.826

**Tritanomaly**  
79, 34.118, 38.824

# Monochromacy



**Original Color**  
79, 51.201, 67.090

**Achromatopsia**  
78, 0.009, 296.813

**Achromatomaly**  
78, 17.600, 71.374

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 51.201, 67.090 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, 180, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 108)  
}
```

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, 180, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 108) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 51.201, 67.090 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, 180, 108) }
```

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

```
.border{ border-color:rgb(255, 180, 108) }
```

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

Here you see how a box with a 4 pixel rgb(255, 180, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 108);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
108) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 51.201, 67.090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 108) }
```

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

```
.background{ background-color: rgb(255,  
180, 108) }
```

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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