

Converting Colors

CIELCh(68, 60.035, 40.866)

Have a look what the booklet for
CIELCh(68, 60.035, 40.866) contains.

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Color

CIELCh(68, 60.017, 40.905)

Conversions

Conversions Part 1

Format	Color
Hex	FF8161
RGB	255, 129, 97
RGB Percent	100%, 51%, 38%
CMY	0.0000, 0.4929, 0.6185
CMYK	0.00, 0.49, 0.62, 0.00
HSL	12°, 100%, 69%
HSV	12°, 62%, 100%
XYZ	51.4264, 37.9720, 15.9946
YIQ	163.0260, 85.3680, 16.7600

Conversions

Conversions Part 2

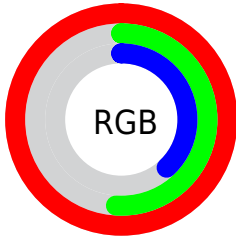
Format	Color
R_{YB}	255, 137, 97
Decimal	16744801
CIE _{Lab}	68.00, 45.36, 39.30
CIE _{LCh}	68, 60.017, 40.905
Yxy	37.9720, 0.4879, 0.3603
Android (android.graphics.Color)	4294934881 (0xFFFF8161)
YUV	163.0260, -32.5508, 80.6612
Hunter-Lab	61.6215, 41.1302, 27.7456

Details

The CIELCh color **68, 60.017, 40.905** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **83, 36.475, 225.425**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 35.610, 53.039**, and **48, 60.192, 41.011** is the 20% darker color. If you saturate the color by 10%, you get **64, 71.784, 41.834**, and if you desaturate by 10%, it is **72, 48.354, 40.250**.

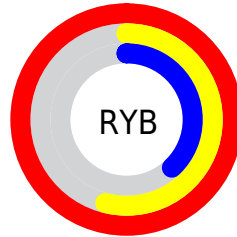
Distribution



Red (100%)

Green (51%)

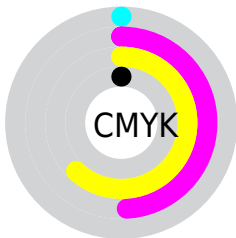
Blue (38%)



Red (100%)

Yellow (54%)

Blue (38%)

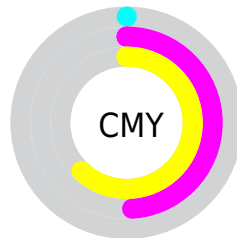


Cyan (0%)

Magenta (49%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (49%)

Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 60.017, 40.905 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 68, 60.017, 40.905 by changing the saturation by 10% instead.

 68, 60.017, 40.905

 68, 60.017, 40.905

 100, 60.017,
40.905

 58, 60.017, 40.905

 88, 60.017, 40.905

 48, 60.017, 40.905

 98, 60.017, 40.905

 38, 60.017, 40.905

 28, 60.017, 40.905

 18, 60.017, 40.905

 8, 60.017, 40.905

 0, 60.017, 40.905

 68, 60.017, 40.905

 68, 60.017, 40.905

 64, 71.784, 41.834

 72, 48.354, 40.250

60, 83.501, 42.781

77, 37.482, 39.798

58, 93.705, 43.311

83, 27.356, 39.558

56, 99.754, 43.123

88, 17.992, 39.489

93, 9.359, 39.537

99, 1.403, 39.330

100, 0.012,
296.813

Harmonies

Complementary

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



68, 60.017, 40.905



83, 36.475, 225.425

Rectangle

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



68, 60.017, 40.905



68, 60.017, 90.905



68, 60.017, 220.905



68, 60.017, 270.905

Sweetspot

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



68, 59.873, 40.937



89, 15.456, 39.493



66, 80.961, 334.799



46, 10.766, 39.489



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 59.873, 40.937



63, 74.346, 42.043



86, 59.993, 85.398



50, 4.445, 39.555



42, 79.890, 43.538



12, 29.935, 37.348

Inverse Universe

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



83, 36.475, 225.425



81, 40.169, 228.186



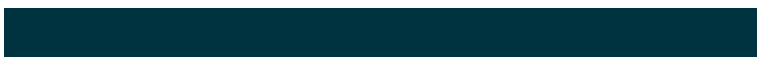
62, 62.237, 286.162



52, 4.188, 220.216



58, 35.453, 236.343



19, 16.160, 230.995

Previews

White Background



This preview shows how the CIELCh color 68, 60.017, 40.905 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 68, 60.017, 40.905 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 68, 60.017, 40.905

Background



This preview shows how black text looks on a background with the CIELCh color 68, 60.017, 40.905.



This preview shows how white text looks on a background with the CIELCh color 68, 60.017, 40.905.

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

68, 60.017, 40.905

Protanopia

68, 30.478, 95.747

Deuteranopia

68, 41.537, 77.549



Tritanopia
68, 53.202, 20.890

Trichromacy



Original Color
68, 60.017, 40.905

Protanomaly
67, 35.648, 65.832

Deuteranomaly
68, 45.546, 60.502

Tritanomaly
68, 54.744, 28.543

Monochromacy



Original Color
68, 60.017, 40.905

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 19.814, 40.278

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 60.017, 40.905 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, 129, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 97)  
}
```

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, 129, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 60.017, 40.905 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, 129, 97) }
```

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

```
.border{ border-color:rgb(255, 129, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 60.017, 40.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 97) }
```

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

```
.background{ background-color: rgb(255,  
129, 97) }
```

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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