

Converting Colors

CIELCh(68, 59.058, 40.155)

Have a look what the booklet for
CIELCh(68, 59.058, 40.155) contains.

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Color

CIELCh(68, 58.937, 40.125)

Conversions

Conversions Part 1

Format	Color
Hex	FF8264
RGB	255, 130, 100
RGB Percent	100%, 51%, 39%
CMY	0.0016, 0.4915, 0.6091
CMYK	0.00, 0.49, 0.61, 0.00
HSL	12°, 99%, 69%
HSV	12°, 61%, 100%
XYZ	51.3148, 37.9720, 16.6010
YIQ	163.9550, 84.1300, 17.1700

Conversions

Conversions Part 2

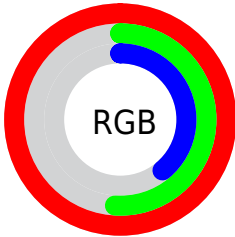
Format	Color
R_{YB}	255, 137, 100
Decimal	16745060
CIE _{Lab}	68.00, 45.07, 37.98
CIE _{LCh}	68, 58.937, 40.125
Yxy	37.9720, 0.4846, 0.3586
Android (android.graphics.Color)	4294935140 (0xFFFF8264)
YUV	163.9550, -31.5298, 79.8465
Hunter-Lab	61.6215, 40.8069, 27.1621

Details

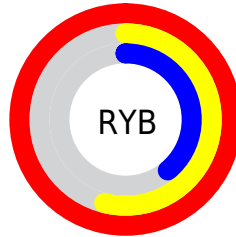
The CIELCh color **68, 58.937, 40.125** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **84, 36.137, 223.699**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 34.529, 52.109**, and **48, 59.033, 40.198** is the 20% darker color. If you saturate the color by 10%, you get **64, 70.855, 41.109**, and if you desaturate by 10%, it is **73, 47.433, 39.380**.

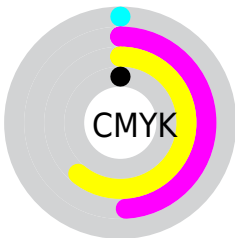
Distribution



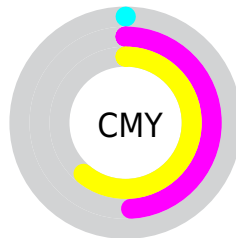
- Red (100%)
- Green (51%)
- Blue (39%)



- Red (100%)
- Yellow (54%)
- Blue (39%)



- Cyan (0%)
- Magenta (49%)
- Yellow (61%)
- Black (0%)



- Cyan (0%)
- Magenta (49%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 58.937, 40.125 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, 58.937, 40.125 by changing the saturation by 10% instead.

68, 58.937, 40.125

68, 58.937, 40.125

100, 58.937,
40.125

58, 58.937, 40.125

88, 58.937, 40.125

48, 58.937, 40.125

98, 58.937, 40.125

38, 58.937, 40.125

28, 58.937, 40.125

18, 58.937, 40.125

8, 58.937, 40.125

0, 58.937, 40.125

68, 58.937, 40.125

68, 58.937, 40.125

64, 70.855, 41.109

73, 47.433, 39.380

60, 82.652, 42.181

78, 36.590, 38.878

57, 93.100, 42.914

83, 26.496, 38.594

55, 100.014,
42.852

88, 17.164, 38.483

94, 8.564, 38.489

99, 0.640, 37.695

100, 0.139,
204.177

Harmonies

Complementary

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



68, 58.937, 40.125



84, 36.137, 223.699

Rectangle

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



68, 58.937, 40.125



68, 58.937, 90.125



68, 58.937, 220.125



68, 58.937, 270.125

Sweetspot

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



68, 58.935, 40.128



90, 14.663, 38.476



66, 80.751, 334.021



46, 10.314, 38.483



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, 58.935, 40.128



63, 73.529, 41.341



85, 58.392, 84.195



50, 4.470, 38.492



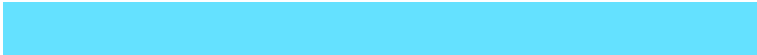
42, 80.207, 43.249



12, 30.076, 36.805

Inverse Universe

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



84, 36.137, 223.699



81, 39.939, 226.245



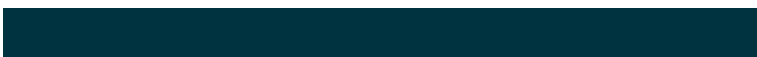
63, 59.612, 284.727



52, 4.209, 219.066



59, 35.292, 234.254



19, 16.139, 229.152

Previews

White Background



This preview shows how the CIELCh color 68, 58.937, 40.125 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, 58.937, 40.125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

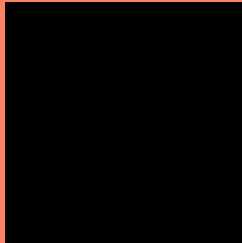
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 58.937, 40.125

Background



This preview shows how black text looks on a background with the CIELCh color 68, 58.937, 40.125.

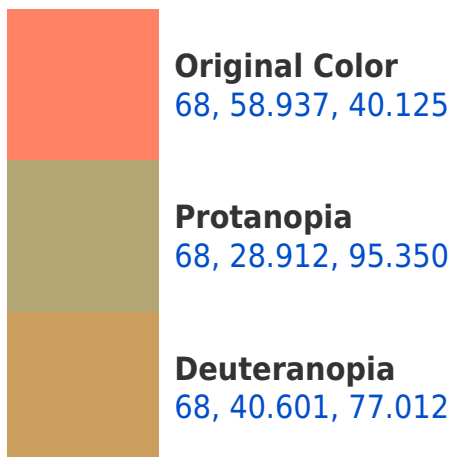


This preview shows how white text looks on a background with the CIELCh color 68, 58.937, 40.125.

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
68, 53.100, 20.317

Trichromacy



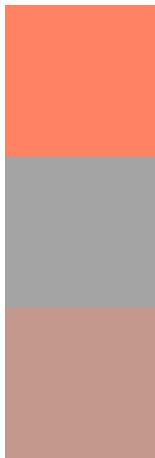
Original Color
68, 58.937, 40.125

Protanomaly
67, 34.364, 64.328

Deuteranomaly
68, 44.744, 59.689

Tritanomaly
68, 54.564, 28.011

Monochromacy



Original Color
68, 58.937, 40.125

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 19.555, 38.839

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 58.937, 40.125 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, 130, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 100)  
}
```

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, 130, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 58.937, 40.125 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, 130, 100) }
```

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

```
.border{ border-color:rgb(255, 130, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 58.937, 40.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 100) }
```

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

```
.background{ background-color: rgb(255,  
130, 100) }
```

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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