

Converting Colors

CIELCh(68, 67.178, 56.534)

Have a look what the booklet for
CIELCh(68, 67.178, 56.534) contains.

CIELCh(68, 67.463, 56.337)	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(68, 67.463, 56.337)

Conversions

Conversions Part 1

Format	Color
Hex	F8883F
RGB	248, 136, 63
RGB Percent	97%, 53%, 25%
CMY	0.0270, 0.4663, 0.7526
CMYK	0.00, 0.45, 0.75, 0.03
HSL	24°, 93%, 61%
HSV	24°, 75%, 97%
XYZ	48.4688, 37.9720, 9.4909
YIQ	161.1660, 90.1850, 1.0410

Conversions

Conversions Part 2

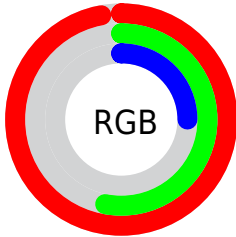
Format	Color
R_{YB}	248, 184, 63
Decimal	16287807
CIE Lab	68.00, 37.40, 56.15
CIE LCh	68, 67.463, 56.337
Yxy	37.9720, 0.5052, 0.3958
Android (android.graphics.Color)	4294477887 (0xFFFF8883F)
YUV	161.1660, -48.3958, 76.1534
Hunter-Lab	61.6215, 32.5628, 34.0032

Details

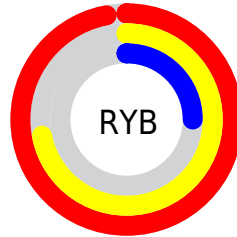
The CIELCh color **68, 67.463, 56.337** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **68, 45.886, 260.375**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 49.059, 71.901**, and **48, 67.403, 56.354** is the 20% darker color. If you saturate the color by 10%, you get **65, 77.214, 55.177**, and if you desaturate by 10%, it is **71, 57.123, 57.236**.

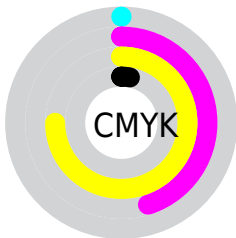
Distribution



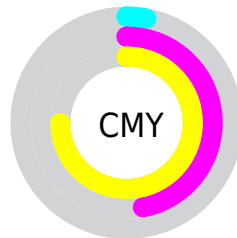
- Red (97%)
- Green (53%)
- Blue (25%)



- Red (97%)
- Yellow (72%)
- Blue (25%)



- Cyan (0%)
- Magenta (45%)
- Yellow (75%)
- Black (3%)



- Cyan (3%)
- Magenta (47%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 67.463, 56.337 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, 67.463, 56.337 by changing the saturation by 10% instead.

68, 67.463, 56.337

68, 67.463, 56.337

100, 67.463,
56.337

58, 67.463, 56.337

88, 67.463, 56.337

48, 67.463, 56.337

98, 67.463, 56.337

38, 67.463, 56.337

28, 67.463, 56.337

18, 67.463, 56.337

8, 67.463, 56.337

0, 67.463, 56.337

68, 67.463, 56.337

68, 67.463, 56.337

65, 77.214, 55.177

71, 57.123, 57.236

62, 85.104, 53.333

75, 46.895, 58.071

61, 88.457, 52.070

79, 37.091, 58.926

83, 27.828, 59.826

87, 19.131, 60.766

91, 10.981, 61.730

96, 3.334, 62.624

100, 2.387,
199.531

Harmonies

Complementary

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



68, 67.463, 56.337



68, 45.886, 260.375

Rectangle

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



68, 67.463, 56.337



68, 67.463, 106.337



68, 67.463, 236.337



68, 67.463, 286.337

Sweetspot

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



68, 67.461, 56.340



90, 17.369, 61.010



59, 79.842, 345.960



47, 11.775, 60.749



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, 67.461, 56.340



65, 82.839, 54.454



89, 77.492, 96.927



50, 4.239, 62.210



47, 71.616, 52.725



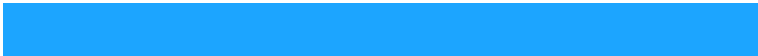
14, 26.300, 51.360

Inverse Universe

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



68, 45.886, 260.375



65, 53.882, 267.089



45, 95.644, 299.225



50, 4.078, 244.370



47, 46.531, 271.675



14, 19.111, 264.092

Previews

White Background



This preview shows how the CIELCh color 68, 67.463, 56.337 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, 67.463, 56.337 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, 67.463, 56.337

Background



This preview shows how black text looks on a background with the CIELCh color 68, 67.463, 56.337.



This preview shows how white text looks on a background with the CIELCh color 68, 67.463, 56.337.

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, 67.463, 56.337

Protanopia

68, 50.218, 95.240

Deuteranopia

68, 58.033, 81.265



Tritanopia
68, 50.974, 19.789

Trichromacy



Original Color
68, 67.463, 56.337

Protanomaly
67, 52.598, 77.849

Deuteranomaly
68, 60.116, 70.923

Tritanomaly
68, 54.352, 36.300

Monochromacy



Original Color
68, 67.463, 56.337

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 23.142, 60.081

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 67.463, 56.337 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(248, 136, 63)` looks like.

```
.text, #text, p{  
    color:rgb(248, 136, 63)  
}
```

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(248, 136, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 136, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 67.463, 56.337 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(248, 136, 63) }
```

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

```
.border{ border-color:rgb(248, 136, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 136, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 136, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 136, 63);  
box-shadow:4px 4px 4px 4px rgb(248, 136,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 67.463, 56.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 136, 63) }
```

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

```
.background{ background-color: rgb(248,  
136, 63) }
```

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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