

Converting Colors

CIELCh(66, 67.383, 70.305)

Have a look what the booklet for
CIELCh(66, 67.383, 70.305) contains.

CIELCh(66, 67.474, 70.433)	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(66, 67.474, 70.433)

Conversions

Conversions Part 1

Format	Color
Hex	DF8F25
RGB	223, 143, 37
RGB Percent	87%, 56%, 15%
CMY	0.1268, 0.4403, 0.8562
CMYK	0.00, 0.36, 0.84, 0.13
HSL	34°, 74%, 51%
HSV	34°, 84%, 87%
XYZ	40.4344, 35.3238, 6.4097
YIQ	154.8360, 81.7060, -16.0060

Conversions

Conversions Part 2

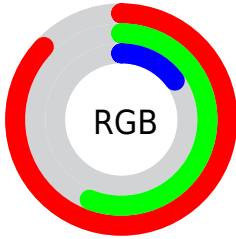
Format	Color
RYB	177, 223, 37
Decimal	14651173
CIELab	66.00, 22.60, 63.58
CIElCh	66, 67.474, 70.433
Yxy	35.3238, 0.4921, 0.4299
Android (android.graphics.Color)	4292841253 (0xFFDF8F25)
YUV	154.8360, -58.0931, 59.7798
Hunter-Lab	59.4338, 17.4290, 35.2095

Details

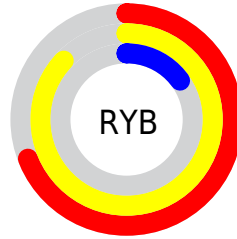
The CIELCh color **66, 67.474, 70.433** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **50, 62.506, 283.938**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 60.061, 80.418**, and **46, 59.298, 66.845** is the 20% darker color. If you saturate the color by 10%, you get **64, 72.846, 68.027**, and if you desaturate by 10%, it is **68, 60.177, 72.322**.

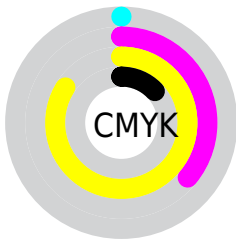
Distribution



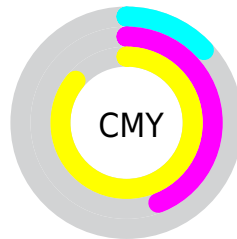
- Red (87%)
- Green (56%)
- Blue (15%)



- Red (69%)
- Yellow (87%)
- Blue (15%)



- Cyan (0%)
- Magenta (36%)
- Yellow (84%)
- Black (13%)



- Cyan (13%)
- Magenta (44%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 67.474, 70.433 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 66, 67.474, 70.433 by changing the saturation by 10% instead.

66, 67.474, 70.433

66, 67.474, 70.433

100, 67.474,
70.433

56, 67.474, 70.433

86, 67.474, 70.433

46, 67.474, 70.433

96, 67.474, 70.433

36, 67.474, 70.433

26, 67.474, 70.433

16, 67.474, 70.433

6, 67.474, 70.433

0, 67.474, 70.433

66, 67.474, 70.433

66, 67.474, 70.433

64, 72.846, 68.027

68, 60.177, 72.322

62, 75.279, 66.198

71, 51.909, 73.936

73, 43.305, 75.419

76, 34.711, 76.837

79, 26.296, 78.215

82, 18.132, 79.559

85, 10.242, 80.862

88, 2.621, 82.047

91, 4.746, 263.487

Harmonies

Complementary

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



66, 67.474, 70.433



50, 62.506, 283.938

Rectangle

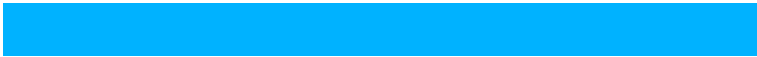
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 67.474, 70.433



66, 67.474, 120.433



66, 67.474, 250.433



66, 67.474, 300.433

Sweetspot

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



66, 67.473, 70.436



92, 21.567, 79.339



50, 72.191, 1.883



48, 14.806, 78.865



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 67.473, 70.436



71, 83.473, 65.903



85, 82.913, 106.889



46, 4.293, 81.375



50, 63.035, 66.805



12, 19.867, 68.161

Inverse Universe

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



50, 62.506, 283.938



50, 84.507, 291.077



32, 109.121, 305.082



45, 4.242, 263.932



34, 62.417, 290.060



7, 21.209, 280.884

Previews

White Background



This preview shows how the CIELCh color 66, 67.474, 70.433 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 CIE LCh color 66, 67.474, 70.433 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 66, 67.474, 70.433

Background



This preview shows how black text looks on a background with the CIELCh color 66, 67.474, 70.433.



This preview shows how white text looks on a background with the CIELCh color 66, 67.474, 70.433.

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

66, 67.474, 70.433

Protanopia

66, 60.763, 95.084

Deuteranopia

66, 65.098, 82.619



Tritanopia
66, 38.929, 15.746

Trichromacy



Original Color
66, 67.474, 70.433

Protanomaly
66, 61.611, 85.376

Deuteranomaly
66, 65.554, 77.976

Tritanomaly
66, 44.392, 46.243

Monochromacy



Original Color
66, 67.474, 70.433

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 25.131, 78.022

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 67.474, 70.433 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(223, 143, 37)` looks like.

```
.text, #text, p{  
    color:rgb(223, 143, 37)  
}
```

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(223, 143, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 143, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 67.474, 70.433 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(223, 143, 37) }
```

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

```
.border{ border-color:rgb(223, 143, 37) }
```

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

Here you see how a box with a 4 pixel rgb(223, 143, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 143, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 143, 37);  
box-shadow:4px 4px 4px 4px rgb(223, 143,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 67.474, 70.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 143, 37) }
```

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

```
.background{ background-color: rgb(223,  
143, 37) }
```

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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