

Converting Colors

CIELCh(66, 66.893, 70.542)

Have a look what the booklet for
CIELCh(66, 66.893, 70.542) contains.

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Color

CIELCh(66, 66.888, 70.615)

Conversions

Conversions Part 1

Format	Color
Hex	DE8F26
RGB	222, 143, 38
RGB Percent	87%, 56%, 15%
CMY	0.1293, 0.4391, 0.8509
CMYK	0.00, 0.36, 0.83, 0.13
HSL	34°, 74%, 51%
HSV	34°, 83%, 87%
XYZ	40.3066, 35.3238, 6.5294
YIQ	154.6510, 80.7890, -15.9070

Conversions

Conversions Part 2

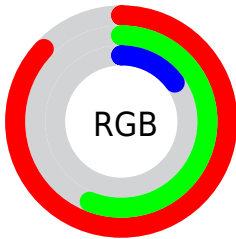
Format	Color
RYB	176, 222, 38
Decimal	14585638
CIELab	66.00, 22.20, 63.10
CIELCh	66, 66.888, 70.615
Yxy	35.3238, 0.4906, 0.4299
Android (android.graphics.Color)	4292775718 (0xFFDE8F26)
YUV	154.6510, -57.5089, 59.0651
Hunter-Lab	59.4338, 17.0452, 35.0900

Details

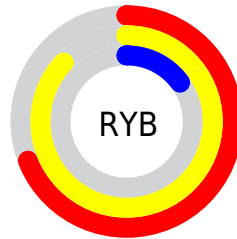
The CIELCh color **66, 66.888, 70.615** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **50, 61.897, 283.703**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 59.637, 80.290**, and **46, 58.978, 67.180** is the 20% darker color. If you saturate the color by 10%, you get **64, 72.403, 68.255**, and if you desaturate by 10%, it is **68, 59.520, 72.479**.

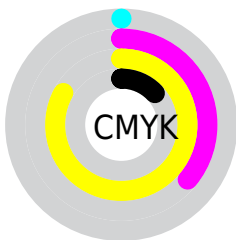
Distribution



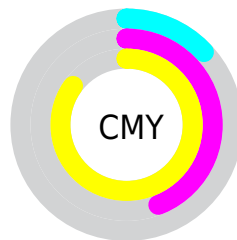
- Red (87%)
- Green (56%)
- Blue (15%)



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



- Cyan (0%)
- Magenta (36%)
- Yellow (83%)
- Black (13%)



- Cyan (13%)
- Magenta (44%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 66.888, 70.615 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, 66.888, 70.615 by changing the saturation by 10% instead.

66, 66.888, 70.615

66, 66.888, 70.615

100, 66.888,
70.615

56, 66.888, 70.615

86, 66.888, 70.615

46, 66.888, 70.615

96, 66.888, 70.615

36, 66.888, 70.615

26, 66.888, 70.615

16, 66.888, 70.615

6, 66.888, 70.615

0, 66.888, 70.615

66, 66.888, 70.615

66, 66.888, 70.615

64, 72.403, 68.255

68, 59.520, 72.479

62, 75.107, 66.248

71, 51.235, 74.082

73, 42.645, 75.559

76, 34.079, 76.974

79, 25.697, 78.350

82, 17.568, 79.691

85, 9.712, 80.991

88, 2.124, 82.145

91, 5.213, 263.606

Harmonies

Complementary

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



66, 66.888, 70.615



50, 61.897, 283.703

Rectangle

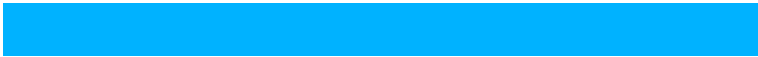
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 66.888, 70.615



66, 66.888, 120.615



66, 66.888, 250.615



66, 66.888, 300.615

Sweetspot

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



66, 66.887, 70.618



92, 21.574, 79.383



50, 71.772, 1.636



48, 14.811, 78.909



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, 66.887, 70.618



71, 83.078, 66.236



85, 82.405, 106.899



46, 4.295, 81.420



50, 63.028, 66.847



12, 19.869, 68.213

Inverse Universe

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



50, 61.897, 283.703



50, 83.668, 290.719



33, 108.182, 304.991



45, 4.244, 263.977



34, 62.471, 290.097



7, 21.223, 280.918

Previews

White Background



This preview shows how the CIELCh color 66, 66.888, 70.615 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 66, 66.888, 70.615 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, 66.888, 70.615

Background



This preview shows how black text looks on a background with the CIELCh color 66, 66.888, 70.615.



This preview shows how white text looks on a background with the CIELCh color 66, 66.888, 70.615.

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, 66.888, 70.615

Protanopia

66, 60.081, 95.064

Deuteranopia

66, 64.540, 82.506



Tritanopia
66, 38.929, 15.746

Trichromacy



Original Color
66, 66.888, 70.615

Protanomaly
66, 60.949, 85.258

Deuteranomaly
66, 64.976, 77.817

Tritanomaly
66, 44.073, 45.692

Monochromacy



Original Color
66, 66.888, 70.615

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 24.905, 78.877

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 66.888, 70.615 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(222, 143, 38)` looks like.

```
.text, #text, p{  
    color:rgb(222, 143, 38)  
}
```

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(222, 143, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 143, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 66.888, 70.615 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(222, 143, 38) }
```

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

```
.border{ border-color:rgb(222, 143, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 143, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 143, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 143, 38);  
box-shadow:4px 4px 4px 4px rgb(222, 143,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 66.888, 70.615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 143, 38) }
```

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

```
.background{ background-color: rgb(222,  
143, 38) }
```

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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