

Converting Colors

CIELCh(66, 73.748, 70.175)

Have a look what the booklet for
CIELCh(66, 73.748, 70.175) contains.

CIELCh(66, 73.696, 70.231)	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, 73.696, 70.231)

Conversions

Conversions Part 1

Format	Color
Hex	E38D0F
RGB	227, 141, 15
RGB Percent	89%, 55%, 6%
CMY	0.1107, 0.4478, 0.9426
CMYK	0.00, 0.38, 0.94, 0.11
HSL	36°, 88%, 47%
HSV	36°, 94%, 89%
XYZ	41.1902, 35.3238, 5.0857
YIQ	152.3500, 91.7020, -20.9540

Conversions

Conversions Part 2

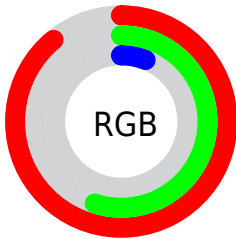
Format	Color
RYB	160, 227, 15
Decimal	14912783
CIELab	66.00, 24.93, 69.35
CIELCh	66, 73.696, 70.231
Yxy	35.3238, 0.5048, 0.4329
Android (android.graphics.Color)	4293102863 (0xFFE38D0F)
YUV	152.3500, -67.7135, 65.4681
Hunter-Lab	59.4338, 19.6988, 36.5303

Details

The CIELCh color **66, 73.696, 70.231** 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 **45, 74.754, 290.067**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 65.060, 80.882**, and **46, 60.471, 64.800** is the 20% darker color. If you saturate the color by 10%, you get **65, 75.916, 68.420**, and if you desaturate by 10%, it is **68, 68.563, 72.631**.

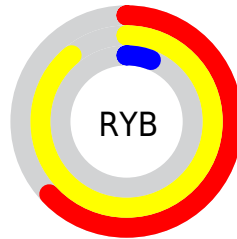
Distribution



Red (89%)

Green (55%)

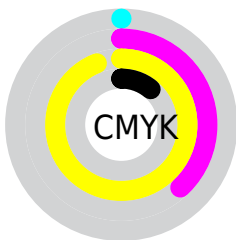
Blue (6%)



Red (63%)

Yellow (89%)

Blue (6%)

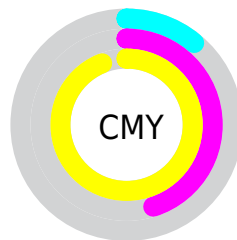


Cyan (0%)

Magenta (38%)

Yellow (94%)

Black (11%)



Cyan (11%)

Magenta (45%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 73.696, 70.231 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, 73.696, 70.231 by changing the saturation by 10% instead.

66, 73.696, 70.231

66, 73.696, 70.231

100, 73.696,
70.231

56, 73.696, 70.231

86, 73.696, 70.231

46, 73.696, 70.231

96, 73.696, 70.231

36, 73.696, 70.231

26, 73.696, 70.231

16, 73.696, 70.231

6, 73.696, 70.231

0, 73.696, 70.231

66, 73.696, 70.231

66, 73.696, 70.231

65, 75.916, 68.420

68, 68.563, 72.631

71, 61.398, 74.533

73, 53.148, 76.172

75, 44.473, 77.680

78, 35.742, 79.119

81, 27.142, 80.513

83, 18.757, 81.870

86, 10.618, 83.182

89, 2.728, 84.379

Harmonies

Complementary

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



66, 73.696, 70.231



45, 74.754, 290.067

Rectangle

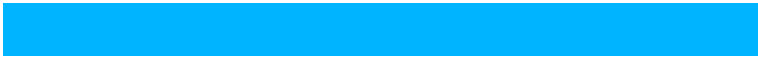
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 73.696, 70.231



66, 73.696, 120.231



66, 73.696, 250.231



66, 73.696, 300.231

Sweetspot

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



66, 73.694, 70.234



91, 24.714, 81.245



49, 76.151, 7.632



47, 17.176, 80.653



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, 73.694, 70.234



72, 82.996, 68.176



86, 87.863, 107.858



46, 4.385, 83.701



51, 62.726, 69.045



13, 20.038, 70.899

Inverse Universe

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



45, 74.754, 290.067



48, 88.421, 292.874



30, 118.847, 306.179



44, 4.347, 266.251



33, 65.297, 291.899



6, 21.969, 282.589

Previews

White Background



This preview shows how the CIELCh color 66, 73.696, 70.231 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, 73.696, 70.231 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, 73.696, 70.231

Background



This preview shows how black text looks on a background with the CIELCh color 66, 73.696, 70.231.



This preview shows how white text looks on a background with the CIELCh color 66, 73.696, 70.231.

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, 73.696, 70.231

Protanopia

66, 66.019, 95.187

Deuteranopia

66, 70.646, 83.608



Tritanopia
66, 41.456, 16.582

Trichromacy



Original Color
66, 73.696, 70.231

Protanomaly
66, 67.175, 85.443

Deuteranomaly
66, 71.408, 78.645

Tritanomaly
66, 49.295, 48.561

Monochromacy



Original Color
66, 73.696, 70.231

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 29.132, 79.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 73.696, 70.231 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(227, 141, 15)` looks like.

```
.text, #text, p{  
    color:rgb(227, 141, 15)  
}
```

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(227, 141, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 141, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 73.696, 70.231 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(227, 141, 15) }
```

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

```
.border{ border-color:rgb(227, 141, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 141, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 141, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 141, 15);  
box-shadow:4px 4px 4px 4px rgb(227, 141,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 73.696, 70.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 141, 15) }
```

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

```
.background{ background-color: rgb(227,  
141, 15) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor