

Converting Colors

CIELCh(66, 68.232, 75.846)

Have a look what the booklet for
CIELCh(66, 68.232, 75.846) contains.

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Color

CIELCh(66, 68.420, 75.832)

Conversions

Conversions Part 1

Format	Color
Hex	D7931A
RGB	215, 147, 26
RGB Percent	84%, 58%, 10%
CMY	0.1575, 0.4240, 0.8988
CMYK	0.00, 0.32, 0.88, 0.16
HSL	38°, 79%, 47%
HSV	38°, 88%, 84%
XYZ	38.5763, 35.3238, 5.7512
YIQ	153.5380, 79.3690, -23.2150

Conversions

Conversions Part 2

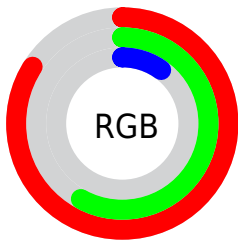
Format	Color
RYB	132, 215, 26
Decimal	14127898
CIELab	66.00, 16.75, 66.34
CIELCh	66, 68.420, 75.832
Yxy	35.3238, 0.4843, 0.4435
Android (android.graphics.Color)	4292317978 (0xFFD7931A)
YUV	153.5380, -62.8762, 53.9022
Hunter-Lab	59.4338, 11.8485, 35.8664

Details

The CIELCh color **66, 68.420, 75.832** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **43, 72.396, 290.999**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 63.726, 83.220**, and **46, 56.909, 72.265** is the 20% darker color. If you saturate the color by 10%, you get **64, 71.897, 73.344**, and if you desaturate by 10%, it is **68, 62.678, 77.842**.

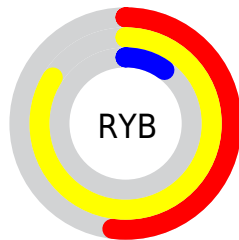
Distribution



Red (84%)

Green (58%)

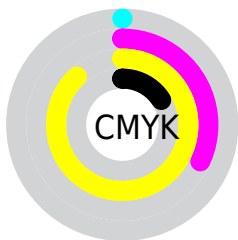
Blue (10%)



Red (52%)

Yellow (84%)

Blue (10%)

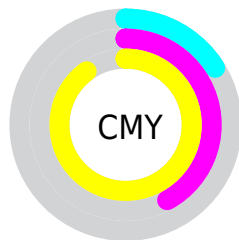


Cyan (0%)

Magenta (32%)

Yellow (88%)

Black (16%)



Cyan (16%)

Magenta (42%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 68.420, 75.832 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, 68.420, 75.832 by changing the saturation by 10% instead.

66, 68.420, 75.832

66, 68.420, 75.832

100, 68.420,
75.832

56, 68.420, 75.832

86, 68.420, 75.832

46, 68.420, 75.832

96, 68.420, 75.832

36, 68.420, 75.832

26, 68.420, 75.832

16, 68.420, 75.832

6, 68.420, 75.832

0, 68.420, 75.832

66, 68.420, 75.832

66, 68.420, 75.832

64, 71.897, 73.344

68, 62.678, 77.842

64, 72.504, 72.832

70, 55.396, 79.548

72, 47.332, 81.097

74, 38.966, 82.560

77, 30.566, 83.970

79, 22.269, 85.338

81, 14.137, 86.663

84, 6.194, 87.928

86, 1.557, 269.394

Harmonies

Complementary

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



66, 68.420, 75.832



43, 72.396, 290.999

Rectangle

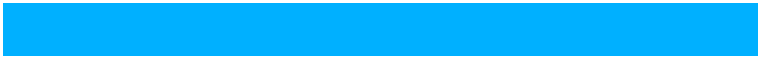
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 68.420, 75.832



66, 68.420, 125.832



66, 68.420, 255.832



66, 68.420, 305.832

Sweetspot

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



66, 68.419, 75.835



93, 23.727, 85.570



47, 71.623, 9.446



48, 16.151, 85.099



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, 68.419, 75.835



75, 82.527, 72.499



82, 83.110, 110.523



44, 4.401, 87.753



51, 61.111, 73.362



12, 17.842, 75.756

Inverse Universe

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



43, 72.396, 290.999



45, 95.708, 295.826



30, 109.493, 306.165



42, 4.388, 270.251



30, 69.000, 294.842



5, 20.597, 282.962

Previews

White Background



This preview shows how the CIELCh color 66, 68.420, 75.832 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, 68.420, 75.832 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, 68.420, 75.832

Background



This preview shows how black text looks on a background with the CIELCh color 66, 68.420, 75.832.



This preview shows how white text looks on a background with the CIELCh color 66, 68.420, 75.832.

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, 68.420, 75.832

Protanopia

66, 64.093, 95.159

Deuteranopia

66, 67.372, 82.599



Tritanopia
66, 34.301, 14.032

Trichromacy



Original Color
66, 68.420, 75.832

Protanomaly
66, 64.739, 88.034

Deuteranomaly
66, 67.516, 80.135

Tritanomaly
66, 41.404, 51.632

Monochromacy



Original Color
66, 68.420, 75.832

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 26.604, 84.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 68.420, 75.832 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(215, 147, 26)` looks like.

```
.text, #text, p{  
    color:rgb(215, 147, 26)  
}
```

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(215, 147, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 147, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 68.420, 75.832 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(215, 147, 26) }
```

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

```
.border{ border-color:rgb(215, 147, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 147, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 147, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 147, 26);  
box-shadow:4px 4px 4px 4px rgb(215, 147,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 68.420, 75.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 147, 26) }
```

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

```
.background{ background-color: rgb(215,  
147, 26) }
```

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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