

Converting Colors

CIELCh(66, 65.600, 73.663)

Have a look what the booklet for
CIELCh(66, 65.600, 73.663) contains.

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Color

CIELCh(66, 65.600, 73.663)

Conversions

Conversions Part 1

Format	Color
Hex	D99226
RGB	217, 146, 38
RGB Percent	85%, 57%, 15%
CMY	0.1502, 0.4284, 0.8521
CMYK	0.00, 0.33, 0.83, 0.15
HSL	36°, 70%, 50%
HSV	36°, 83%, 85%
XYZ	39.1119, 35.3238, 6.5657
YIQ	154.9170, 76.9840, -18.5360

Conversions

Conversions Part 2

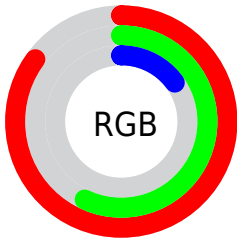
Format	Color
RYB	156, 217, 38
Decimal	14258726
CIELab	66.00, 18.45, 62.95
CIElCh	66, 65.600, 73.663
Yxy	35.3238, 0.4829, 0.4361
Android (android.graphics.Color)	4292448806 (0xFFD99226)
YUV	154.9170, -57.6401, 54.4468
Hunter-Lab	59.4338, 13.4572, 35.0538

Details

The CIELCh color **66, 65.600, 73.663** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **47, 63.996, 286.247**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 60.191, 81.877**, and **46, 57.555, 70.317** is the 20% darker color. If you saturate the color by 10%, you get **64, 70.728, 71.360**, and if you desaturate by 10%, it is **68, 58.601, 75.522**.

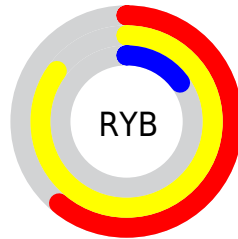
Distribution



Red (85%)

Green (57%)

Blue (15%)



Red (61%)

Yellow (85%)

Blue (15%)

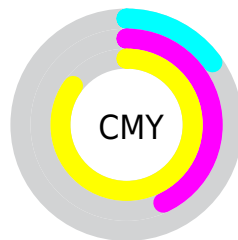


Cyan (0%)

Magenta (33%)

Yellow (83%)

Black (15%)



Cyan (15%)

Magenta (43%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 65.600, 73.663 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, 65.600, 73.663 by changing the saturation by 10% instead.

66, 65.600, 73.663

66, 65.600, 73.663

100, 65.600,
73.663

56, 65.600, 73.663

86, 65.600, 73.663

46, 65.600, 73.663

96, 65.600, 73.663

36, 65.600, 73.663

26, 65.600, 73.663

16, 65.600, 73.663

6, 65.600, 73.663

0, 65.600, 73.663

66, 65.600, 73.663

66, 65.600, 73.663

64, 70.728, 71.360

68, 58.601, 75.522

62, 73.240, 69.342

71, 50.618, 77.140

73, 42.252, 78.638

75, 33.836, 80.071

78, 25.542, 81.461

81, 17.447, 82.811

83, 9.578, 84.115

86, 1.939, 85.267

89, 5.481, 266.712

Harmonies

Complementary

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



66, 65.600, 73.663



47, 63.996, 286.247

Rectangle

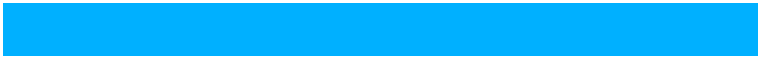
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 65.600, 73.663



66, 65.600, 123.663



66, 65.600, 253.663



66, 65.600, 303.663

Sweetspot

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



66, 65.599, 73.666



92, 22.113, 82.459



48, 70.005, 4.297



48, 15.166, 81.981



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, 65.599, 73.666



73, 82.527, 69.286



83, 80.953, 108.693



44, 4.253, 84.515



50, 61.287, 69.938



11, 17.484, 71.582

Inverse Universe

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



47, 63.996, 286.247



48, 88.853, 293.109



32, 105.512, 305.279



42, 4.221, 267.047



32, 64.753, 292.429



5, 19.741, 280.897

Previews

White Background



This preview shows how the CIELCh color 66, 65.600, 73.663 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, 65.600, 73.663 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, 65.600, 73.663

Background



This preview shows how black text looks on a background with the CIELCh color 66, 65.600, 73.663.



This preview shows how white text looks on a background with the CIELCh color 66, 65.600, 73.663.

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, 65.600, 73.663

Protanopia

66, 60.425, 95.074

Deuteranopia

66, 64.252, 82.447



Tritanopia
66, 35.556, 14.522

Trichromacy



Original Color
66, 65.600, 73.663

Protanomaly
66, 61.151, 86.649

Deuteranomaly
66, 64.621, 79.031

Tritanomaly
66, 40.942, 48.019

Monochromacy



Original Color
66, 65.600, 73.663

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 24.736, 82.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 65.600, 73.663 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(217, 146, 38)` looks like.

```
.text, #text, p{  
    color:rgb(217, 146, 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(217, 146, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 146, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 65.600, 73.663 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(217, 146, 38) }
```

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

```
.border{ border-color:rgb(217, 146, 38) }
```

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

Here you see how a box with a 4 pixel rgb(217, 146, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 146, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 146, 38);  
box-shadow:4px 4px 4px 4px rgb(217, 146,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 65.600, 73.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 146, 38) }
```

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

```
.background{ background-color: rgb(217,  
146, 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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