

Converting Colors

CIELCh(66, 70.652, 82.518)

Have a look what the booklet for
CIELCh(66, 70.652, 82.518) contains.

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Color

CIELCh(66, 70.766, 82.444)

Conversions

Conversions Part 1

Format	Color
Hex	CD9800
RGB	205, 152, 0
RGB Percent	80%, 60%, 0%
CMY	0.1971, 0.4048, 0.9981
CMYK	0.00, 0.26, 1.00, 0.20
HSL	44°, 100%, 40%
HSV	44°, 100%, 80%
XYZ	36.2964, 35.3238, 4.9183
YIQ	150.5190, 80.3800, -36.0360

Conversions

Conversions Part 2

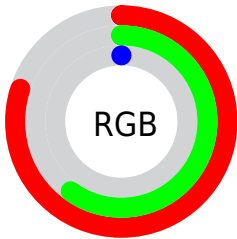
Format	Color
RYB	71, 205, 0
Decimal	13473792
CIELab	66.00, 9.31, 70.15
CIElCh	66, 70.766, 82.444
Yxy	35.3238, 0.4742, 0.4615
Android (android.graphics.Color)	4291663872 (0xFFCD9800)
YUV	150.5190, -74.2059, 47.7798
Hunter-Lab	59.4338, 5.0013, 36.6973

Details

The CIELCh color **66, 70.766, 82.444** 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 **32, 92.767, 300.374**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 69.091, 86.359**, and **46, 54.417, 78.999** is the 20% darker color. If you saturate the color by 10%, you get **66, 70.816, 82.402**, and if you desaturate by 10%, it is **67, 68.368, 84.376**.

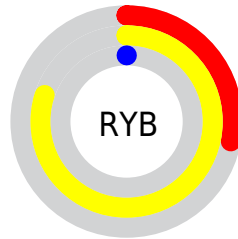
Distribution



Red (80%)

Green (60%)

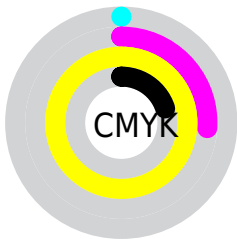
Blue (0%)



Red (28%)

Yellow (80%)

Blue (0%)

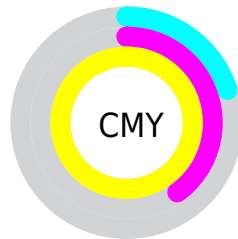


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 70.766, 82.444 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, 70.766, 82.444 by changing the saturation by 10% instead.

■ 66, 70.766, 82.444

■ 66, 70.766, 82.444

■ 100, 70.766,
82.444

■ 56, 70.766, 82.444

■ 86, 70.766, 82.444

■ 46, 70.766, 82.444

■ 96, 70.766, 82.444

■ 36, 70.766, 82.444

■ 26, 70.766, 82.444

■ 16, 70.766, 82.444

■ 6, 70.766, 82.444

■ 0, 70.766, 82.444

■ 66, 70.766, 82.444

■ 66, 70.766, 82.444

■ 66, 70.816, 82.402

■ 67, 68.368, 84.376

69, 63.846, 86.062

70, 57.466, 87.569

72, 49.942, 88.982

73, 41.811, 90.342

75, 33.407, 91.666

77, 24.921, 92.959

79, 16.460, 94.216

80, 8.078, 95.427

Harmonies

Complementary

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



66, 70.766, 82.444



32, 92.767, 300.374

Rectangle

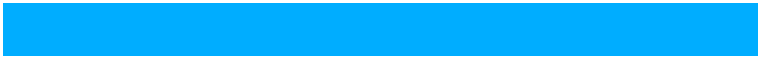
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 70.766, 82.444



66, 70.766, 132.444



66, 70.766, 262.444



66, 70.766, 312.444

Sweetspot

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



66, 70.765, 82.447



93, 30.022, 92.880



43, 75.720, 24.372



49, 20.517, 92.331



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, 70.765, 82.447



81, 83.482, 82.095



77, 84.972, 116.568



42, 4.675, 95.471



54, 60.594, 82.758



11, 16.464, 86.528

Inverse Universe

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



32, 92.767, 300.374



40, 111.066, 300.825



27, 111.169, 307.508



40, 4.707, 277.799



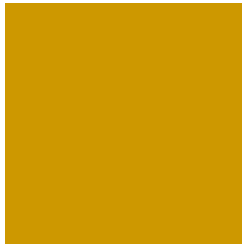
25, 78.313, 299.967



3, 19.387, 284.986

Previews

White Background



This preview shows how the CIELCh color 66, 70.766, 82.444 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, 70.766, 82.444 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, 70.766, 82.444

Background



This preview shows how black text looks on a background with the CIELCh color 66, 70.766, 82.444.



This preview shows how white text looks on a background with the CIELCh color 66, 70.766, 82.444.

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, 70.900, 82.467

Protanopia

66, 67.934, 95.204

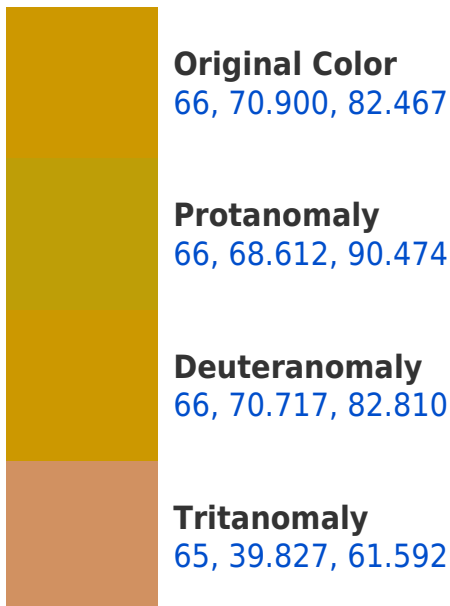
Deuteranopia

66, 70.537, 83.156



Tritanopia
66, 28.948, 10.539

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 70.766, 82.444 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(205, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(205, 152, 0)  
}
```

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(205, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 152, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 70.766, 82.444 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(205, 152, 0) }
```

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

```
.border{ border-color:rgb(205, 152, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 152, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(205, 152,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 70.766, 82.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 152, 0) }
```

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

```
.background{ background-color: rgb(205,  
152, 0) }
```

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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