

Converting Colors

CIELCh(68, 74.514, 76.854)

Have a look what the booklet for
CIELCh(68, 74.514, 76.854) contains.

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Color

CIELCh(68, 74.416, 76.986)

Conversions

Conversions Part 1

Format	Color
Hex	DE9800
RGB	222, 152, 0
RGB Percent	87%, 60%, 0%
CMY	0.1295, 0.4040, 1.0000
CMYK	0.00, 0.32, 1.00, 0.13
HSL	41°, 100%, 44%
HSV	41°, 100%, 87%
XYZ	41.3380, 37.9720, 5.1487
YIQ	155.6020, 90.5120, -32.4320

Conversions

Conversions Part 2

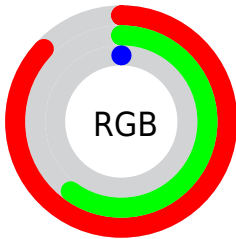
Format	Color
RYB	102, 222, 0
Decimal	14587904
CIELab	68.00, 16.76, 72.50
CIElCh	68, 74.416, 76.986
Yxy	37.9720, 0.4894, 0.4496
Android (android.graphics.Color)	4292777984 (0xFFDE9800)
YUV	155.6020, -76.7118, 58.2310
Hunter-Lab	61.6215, 11.9071, 38.1811

Details

The CIELCh color **68, 74.416, 76.986** 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 **37, 91.721, 297.997**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 68.712, 86.299**, and **48, 58.518, 72.299** is the 20% darker color. If you saturate the color by 10%, you get **68, 74.408, 76.987**, and if you desaturate by 10%, it is **70, 71.646, 79.328**.

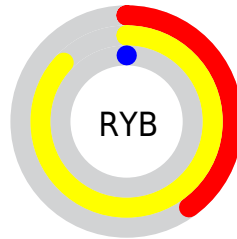
Distribution



Red (87%)

Green (60%)

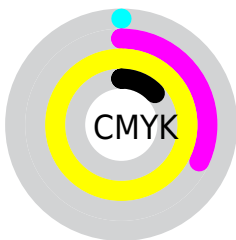
Blue (0%)



Red (40%)

Yellow (87%)

Blue (0%)

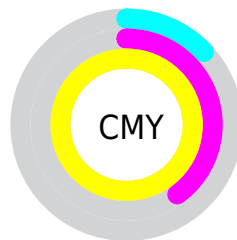


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 74.416, 76.986 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 68, 74.416, 76.986 by changing the saturation by 10% instead.

 68, 74.416, 76.986

 68, 74.416, 76.986

 100, 74.416,
76.986

 58, 74.416, 76.986

 88, 74.416, 76.986

 48, 74.416, 76.986

 98, 74.416, 76.986

 38, 74.416, 76.986

 28, 74.416, 76.986

 18, 74.416, 76.986

 8, 74.416, 76.986

 0, 74.416, 76.986

 68, 74.416, 76.986

 68, 74.416, 76.986

 68, 74.408, 76.987

 70, 71.646, 79.328

72, 66.599, 81.290

73, 59.642, 82.971

75, 51.590, 84.502

77, 43.015, 85.950

79, 34.259, 87.346

82, 25.506, 88.701

84, 16.853, 90.015

86, 8.342, 91.277

Harmonies

Complementary

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



68, 74.416, 76.986



37, 91.721, 297.997

Rectangle

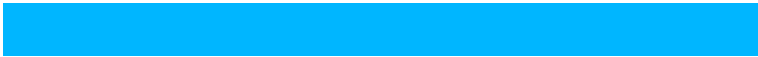
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 74.416, 76.986



68, 74.416, 126.986



68, 74.416, 256.986



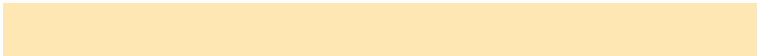
68, 74.416, 306.986

Sweetspot

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



68, 74.408, 76.987



92, 28.550, 88.670



47, 78.649, 20.341



48, 19.543, 88.099



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68, 74.408, 76.987



77, 82.609, 76.754



83, 89.260, 113.905



46, 4.776, 91.344



55, 62.588, 77.447



14, 21.057, 80.383

Inverse Universe

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



37, 91.721, 297.997



43, 102.674, 298.267



29, 119.059, 307.049



44, 4.784, 273.795



29, 75.879, 297.448



5, 24.552, 287.377

Previews

White Background



This preview shows how the CIELCh color 68, 74.416, 76.986 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 68, 74.416, 76.986 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 68, 74.416, 76.986

Background



This preview shows how black text looks on a background with the CIELCh color 68, 74.416, 76.986.



This preview shows how white text looks on a background with the CIELCh color 68, 74.416, 76.986.

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

68, 74.416, 76.986

Protanopia

68, 69.440, 95.459

Deuteranopia

68, 72.421, 83.439



Tritanopia
68, 35.734, 13.663

Trichromacy



Original Color
68, 74.416, 76.986

Protanomaly
68, 70.328, 88.545

Deuteranomaly
68, 72.964, 81.238

Tritanomaly
67, 45.945, 55.704

Monochromacy



Original Color
68, 74.416, 76.986

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 32.747, 87.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 74.416, 76.986 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, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 152, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 74.416, 76.986 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, 152, 0) }
```

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

```
.border{ border-color:rgb(222, 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(222, 152, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 152,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 74.416, 76.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 152, 0) }
```

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

```
.background{ background-color: rgb(222,  
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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