

Converting Colors

CIELCh(70, 68.146, 86.825)

Have a look what the booklet for
CIELCh(70, 68.146, 86.825) contains.

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Color

CIELCh(70, 68.041, 86.981)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D0A61F |
| RGB | 208, 166, 31 |
| RGB Percent | 82%, 65%, 12% |
| CMY | 0.1846, 0.3492, 0.8787 |
| CMYK | 0.00, 0.20, 0.85, 0.18 |
| HSL | 46°, 74%, 47% |
| HSV | 46°, 85%, 82% |
| XYZ | 39.8653, 40.7494, 7.0549 |
| YIQ | 163.1680, 68.3670, -33.0810 |

Conversions

Conversions Part 2

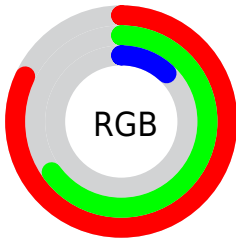
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 86, 208, 31 |
| Decimal | 13674015 |
| CIE Lab | 70.00, 3.58, 67.95 |
| CIE LCh | 70, 68.041, 86.981 |
| Yxy | 40.7494, 0.4547, 0.4648 |
| Android (android.graphics.Color) | 4291864095 (0xFFD0A61F) |
| YUV | 163.1680, -65.1588, 39.3177 |
| Hunter-Lab | 63.8353, -0.2381, 38.1321 |

Details

The CIELCh color **70, 68.041, 86.981** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **37, 81.965, 296.940**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 66.106, 92.044**, and **50, 56.661, 85.725** is the 20% darker color. If you saturate the color by 10%, you get **69, 71.190, 85.286**, and if you desaturate by 10%, it is **71, 62.598, 88.485**.

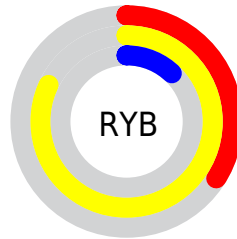
Distribution



Red (82%)

Green (65%)

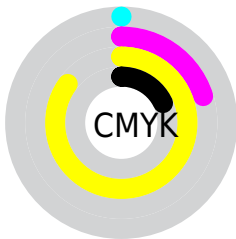
Blue (12%)



Red (34%)

Yellow (82%)

Blue (12%)

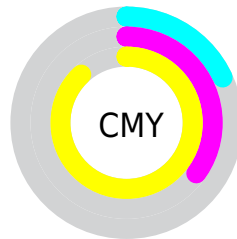


Cyan (0%)

Magenta (20%)

Yellow (85%)

Black (18%)



Cyan (18%)

Magenta (35%)

Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 68.041, 86.981 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 70, 68.041, 86.981 by changing the saturation by 10% instead.

 70, 68.041, 86.981

 70, 68.041, 86.981

 100, 68.041,
86.981

 60, 68.041, 86.981

 90, 68.041, 86.981

 50, 68.041, 86.981

 40, 68.041, 86.981

 30, 68.041, 86.981

 20, 68.041, 86.981

 10, 68.041, 86.981

 0, 68.041, 86.981

 70, 68.041, 86.981

 70, 68.041, 86.981

 69, 71.190, 85.286

 71, 62.598, 88.485

68, 72.138, 84.406

73, 55.562, 89.881

74, 47.585, 91.223

76, 39.120, 92.532

77, 30.442, 93.814

79, 21.708, 95.068

81, 13.004, 96.285

83, 4.377, 97.443

84, 4.152, 278.672

Harmonies

Complementary

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



70, 68.041, 86.981



37, 81.965, 296.940

Rectangle

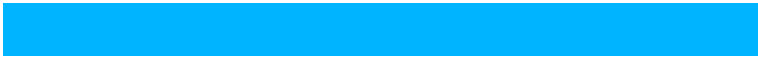
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 68.041, 86.981



70, 68.041, 136.981



70, 68.041, 266.981



70, 68.041, 316.981

Sweetspot

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



70, 68.040, 86.984



95, 26.519, 94.921



45, 70.234, 18.158



50, 17.999, 94.484



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 68.040, 86.984



82, 84.056, 84.151



78, 81.621, 116.396



43, 4.882, 96.959



56, 61.711, 84.722



12, 18.274, 88.346

Inverse Universe

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



37, 81.965, 296.940



39, 114.157, 301.679



32, 102.811, 307.453



41, 4.925, 279.252



25, 81.583, 300.910



3, 21.427, 286.810

Previews

White Background



This preview shows how the CIELCh color 70, 68.041, 86.981 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 70, 68.041, 86.981 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 70, 68.041, 86.981

Background



This preview shows how black text looks on a background with the CIELCh color 70, 68.041, 86.981.



This preview shows how white text looks on a background with the CIELCh color 70, 68.041, 86.981.

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

70, 68.041, 86.981

Protanopia

70, 67.477, 95.260

Deuteranopia

70, 68.251, 82.185



Tritanopia
70, 25.068, 6.897

Trichromacy



Original Color
70, 68.041, 86.981

Protanomaly
70, 67.394, 92.488

Deuteranomaly
70, 68.102, 83.756

Tritanomaly
69, 33.188, 62.300

Monochromacy



Original Color
70, 68.041, 86.981

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 27.501, 93.974

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 68.041, 86.981 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(208, 166, 31)` looks like.

```
.text, #text, p{  
    color:rgb(208, 166, 31)  
}
```

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(208, 166, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 166, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 68.041, 86.981 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(208, 166, 31) }
```

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

```
.border{ border-color:rgb(208, 166, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 166, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 166, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 166, 31);  
box-shadow:4px 4px 4px 4px rgb(208, 166,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 68.041, 86.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 166, 31) }
```

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

```
.background{ background-color: rgb(208,  
166, 31) }
```

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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