

Converting Colors

CIELCh(69, 71.959, 88.746)

Have a look what the booklet for
CIELCh(69, 71.959, 88.746) contains.

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Color

CIELCh(69, 71.930, 88.426)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | CBA402 |
| RGB | 203, 164, 2 |
| RGB Percent | 80%, 64%, 1% |
| CMY | 0.2031, 0.3561, 0.9903 |
| CMYK | 0.00, 0.19, 0.99, 0.20 |
| HSL | 48°, 98%, 40% |
| HSV | 48°, 99%, 80% |
| XYZ | 38.0039, 39.3444, 5.6616 |
| YIQ | 157.1930, 75.2460, -42.1140 |

Conversions

Conversions Part 2

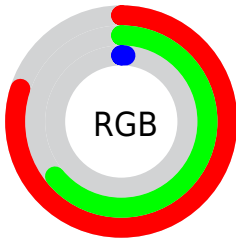
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 50, 203, 2 |
| Decimal | 13345794 |
| CIELab | 69.00, 1.98, 71.90 |
| CIELCh | 69, 71.930, 88.426 |
| Yxy | 39.3444, 0.4578, 0.4740 |
| Android (android.graphics.Color) | 4291535874 (0xFFCBA402) |
| YUV | 157.1930, -76.5101, 40.1727 |
| Hunter-Lab | 62.7251, -1.6193, 38.5560 |

Details

The CIELCh color **69, 71.930, 88.426** 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 **29, 98.703, 302.515**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 71.077, 91.688**, and **49, 55.563, 86.906** is the 20% darker color. If you saturate the color by 10%, you get **69, 72.156, 88.251**, and if you desaturate by 10%, it is **70, 69.686, 89.880**.

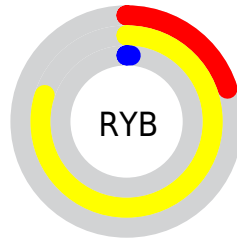
Distribution



Red (80%)

Green (64%)

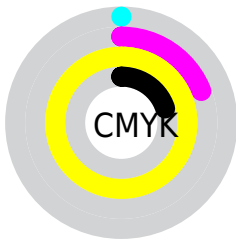
Blue (1%)



Red (20%)

Yellow (80%)

Blue (1%)

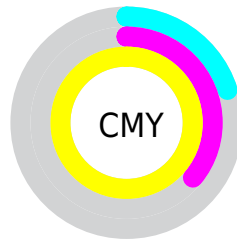


Cyan (0%)

Magenta (19%)

Yellow (99%)

Black (20%)



Cyan (20%)

Magenta (36%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 71.930, 88.426 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 69, 71.930, 88.426 by changing the saturation by 10% instead.

69, 71.930, 88.426

69, 71.930, 88.426

100, 71.930,
88.426

59, 71.930, 88.426

89, 71.930, 88.426

49, 71.930, 88.426

99, 71.930, 88.426

39, 71.930, 88.426

29, 71.930, 88.426

19, 71.930, 88.426

9, 71.930, 88.426

0, 71.930, 88.426

69, 71.930, 88.426

69, 71.930, 88.426

69, 72.156, 88.251

70, 69.686, 89.880

71, 65.221, 91.218

72, 58.862, 92.492

74, 51.271, 93.740

75, 42.968, 94.975

76, 34.295, 96.199

78, 25.458, 97.407

79, 16.578, 98.589

80, 7.722, 99.734

Harmonies

Complementary

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



69, 71.930, 88.426



29, 98.703, 302.515

Rectangle

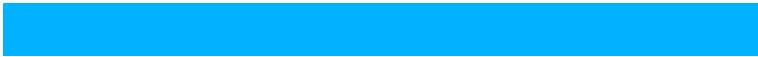
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 71.930, 88.426



69, 71.930, 138.426



69, 71.930, 268.426



69, 71.930, 318.426

Sweetspot

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



69, 71.929, 88.428



95, 31.906, 97.213



43, 77.918, 29.242



50, 21.770, 96.699



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 71.929, 88.428



85, 85.520, 88.026



75, 85.861, 119.857



42, 5.003, 99.665



57, 62.100, 88.494



12, 17.631, 92.457

Inverse Universe

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



29, 98.703, 302.515



37, 119.684, 303.109



28, 108.893, 308.274



40, 5.062, 281.871



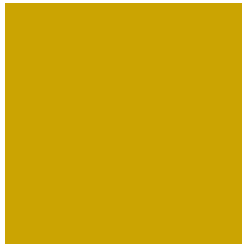
23, 84.699, 302.412



3, 20.389, 287.135

Previews

White Background



This preview shows how the CIELCh color 69, 71.930, 88.426 looks on a white background.

Color Contrast Check

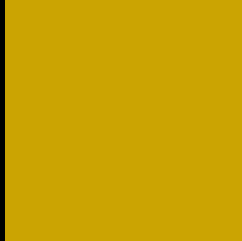
Large Text (above 18pt) WCAG AA × Fail

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 69, 71.930, 88.426 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 69, 71.930, 88.426

Background



This preview shows how black text looks on a background with the CIELCh color 69, 71.930, 88.426.



This preview shows how white text looks on a background with the CIELCh color 69, 71.930, 88.426.

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

69, 71.930, 88.426

Protanopia

69, 70.804, 95.175

Deuteranopia

69, 71.252, 82.996



Tritanopia
69, 23.856, 7.307

Trichromacy



Original Color
69, 71.930, 88.426

Protanomaly
69, 70.992, 92.524

Deuteranomaly
69, 71.514, 85.354

Tritanomaly
69, 37.025, 69.190

Monochromacy



Original Color
69, 71.930, 88.426

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 32.751, 96.034

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 71.930, 88.426 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(203, 164, 2)` looks like.

```
.text, #text, p{  
    color:rgb(203, 164, 2)  
}
```

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(203, 164, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 164, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 71.930, 88.426 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(203, 164, 2) }
```

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

```
.border{ border-color:rgb(203, 164, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 164, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 164, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 164, 2);  
box-shadow:4px 4px 4px 4px rgb(203, 164,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 71.930, 88.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 164, 2) }
```

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

```
.background{ background-color: rgb(203,  
164, 2) }
```

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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