

Converting Colors

CIELCh(69, 72.254, 93.431)

Have a look what the booklet for
CIELCh(69, 72.254, 93.431) contains.

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Color

CIELCh(69, 71.979, 93.330)

Conversions

Conversions Part 1

Format	Color
Hex	C2A800
RGB	194, 168, 0
RGB Percent	76%, 66%, 0%
CMY	0.2403, 0.3421, 1.0000
CMYK	0.00, 0.13, 1.00, 0.24
HSL	52°, 100%, 38%
HSV	52°, 100%, 76%
XYZ	36.1300, 39.3444, 5.6719
YIQ	156.6220, 69.4240, -46.7360

Conversions

Conversions Part 2

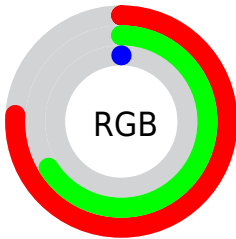
Format	Color
R _Y B	30, 194, 0
Decimal	12756992
CIE Lab	69.00, -4.18, 71.86
CIE LCh	69, 71.979, 93.330
Yxy	39.3444, 0.4452, 0.4849
Android (android.graphics.Color)	4290947072 (0xFFC2A800)
YUV	156.6220, -77.2146, 32.7805
Hunter-Lab	62.7251, -6.9521, 38.5463

Details

The CIELCh color **69, 71.979, 93.330** 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 **26, 101.471, 304.328**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 72.166, 93.266**, and **49, 55.269, 93.688** is the 20% darker color. If you saturate the color by 10%, you get **69, 71.902, 93.330**, and if you desaturate by 10%, it is **70, 69.891, 94.343**.

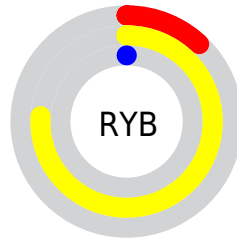
Distribution



Red (76%)

Green (66%)

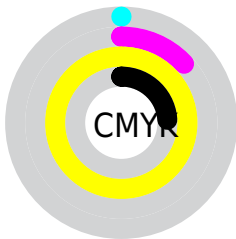
Blue (0%)



Red (12%)

Yellow (76%)

Blue (0%)

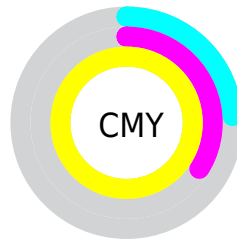


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 71.979, 93.330 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, 71.979, 93.330 by changing the saturation by 10% instead.

69, 71.979, 93.330

69, 71.979, 93.330

100, 71.979,
93.330

59, 71.979, 93.330

89, 71.979, 93.330

49, 71.979, 93.330

99, 71.979, 93.330

39, 71.979, 93.330

29, 71.979, 93.330

19, 71.979, 93.330

9, 71.979, 93.330

0, 71.979, 93.330

69, 71.979, 93.330

69, 71.979, 93.330

69, 71.902, 93.330

70, 69.891, 94.343

■ 70, 65.909, 95.360

■ 71, 59.981, 96.402

■ 72, 52.692, 97.478

■ 73, 44.554, 98.581

■ 74, 35.928, 99.699

■ 75, 27.044,
100.820

■ 76, 18.044,
101.931

■ 77, 9.009, 103.017

Harmonies

Complementary

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



69, 71.979, 93.330



26, 101.471, 304.328

Rectangle

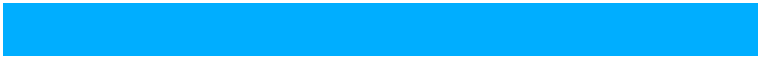
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 71.979, 93.330



69, 71.979, 143.330



69, 71.979, 273.330



69, 71.979, 323.330

Sweetspot

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



69, 71.902, 93.330



95, 33.528, 100.767



40, 78.261, 33.126



51, 23.033, 100.285



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, 71.902, 93.330



88, 87.638, 93.160



71, 84.466, 122.257



40, 5.108, 103.085



58, 62.657, 93.477



10, 15.763, 98.397

Inverse Universe

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



26, 101.471, 304.328



34, 125.121, 304.624



27, 104.694, 309.003



38, 5.188, 285.164



21, 87.487, 304.051



2, 17.638, 287.294

Previews

White Background



This preview shows how the CIELCh color 69, 71.979, 93.330 looks on a white background.

Color Contrast Check

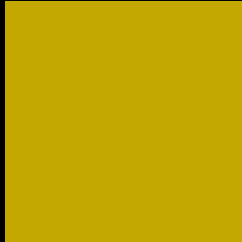
Large Text (above 18pt) WCAG AA × Fail

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, 71.979, 93.330 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, 71.979, 93.330

Background



This preview shows how black text looks on a background with the CIELCh color 69, 71.979, 93.330.

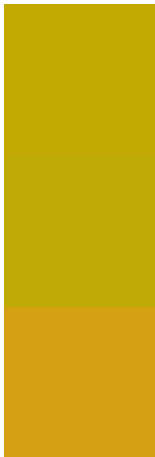


This preview shows how white text looks on a background with the CIELCh color 69, 71.979, 93.330.

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, 71.979, 93.330

Protanopia

69, 71.287, 95.178

Deuteranopia

69, 70.399, 82.849



Tritanopia
69, 19.333, 1.552

Trichromacy



Original Color
69, 71.979, 93.330

Protanomaly
69, 71.602, 94.816

Deuteranomaly
69, 70.813, 86.791

Tritanomaly
68, 34.117, 76.436

Monochromacy



Original Color
69, 71.979, 93.330

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 33.493, 99.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 71.979, 93.330 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(194, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 168, 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(194, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 168, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 71.979, 93.330 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(194, 168, 0) }
```

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

```
.border{ border-color:rgb(194, 168, 0) }
```

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

Here you see how a box with a 4 pixel rgb(194, 168, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 168,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 71.979, 93.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 168, 0) }
```

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

```
.background{ background-color: rgb(194,  
168, 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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