

Converting Colors

CIELCh(71, 72.897, 91.806)

Have a look what the booklet for
CIELCh(71, 72.897, 91.806) contains.

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Color

CIELCh(71, 72.944, 91.748)

Conversions

Conversions Part 1

Format	Color
Hex	CBAC06
RGB	203, 172, 6
RGB Percent	80%, 67%, 2%
CMY	0.2041, 0.3257, 0.9769
CMYK	0.00, 0.15, 0.97, 0.20
HSL	51°, 94%, 41%
HSV	51°, 97%, 80%
XYZ	39.3884, 42.1875, 6.2354
YIQ	162.3450, 71.7620, -45.0540

Conversions

Conversions Part 2

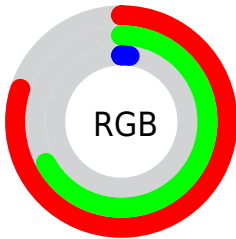
Format	Color
RYB	43, 203, 6
Decimal	13347846
CIELab	71.00, -2.23, 72.91
CIElCh	71, 72.944, 91.748
Yxy	42.1875, 0.4486, 0.4804
Android (android.graphics.Color)	4291537926 (0xFFCBAC06)
YUV	162.3450, -77.0781, 35.6544
Hunter-Lab	64.9519, -5.4191, 39.7745

Details

The CIELCh color **71, 72.944, 91.748** 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, 100.873, 303.265**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 72.190, 94.744**, and **51, 56.841, 90.981** is the 20% darker color. If you saturate the color by 10%, you get **71, 73.451, 91.407**, and if you desaturate by 10%, it is **72, 70.496, 92.928**.

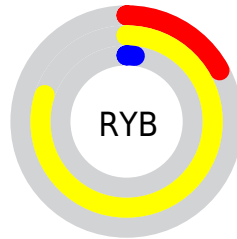
Distribution



Red (80%)

Green (67%)

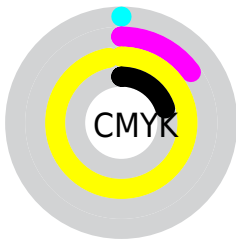
Blue (2%)



Red (17%)

Yellow (80%)

Blue (2%)

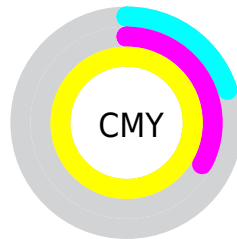


Cyan (0%)

Magenta (15%)

Yellow (97%)

Black (20%)



Cyan (20%)

Magenta (33%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 72.944, 91.748 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 71, 72.944, 91.748 by changing the saturation by 10% instead.

■ 71, 72.944, 91.748

■ 71, 72.944, 91.748

■ 100, 72.944,
91.748

■ 61, 72.944, 91.748

■ 91, 72.944, 91.748

■ 51, 72.944, 91.748

■ 41, 72.944, 91.748

■ 31, 72.944, 91.748

■ 21, 72.944, 91.748

■ 11, 72.944, 91.748

■ 1, 72.944, 91.748

■ 0, 72.944, 91.748

■ 71, 72.944, 91.748

■ 71, 72.944, 91.748

71, 73.451, 91.407

72, 70.496, 92.928

73, 65.745, 94.067

74, 59.156, 95.204

75, 51.354, 96.353

76, 42.833, 97.513

77, 33.920, 98.675

78, 24.818, 99.829

79, 15.648,
100.965

81, 6.479, 102.065

Harmonies

Complementary

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



71, 72.944, 91.748



29, 100.873, 303.265

Rectangle

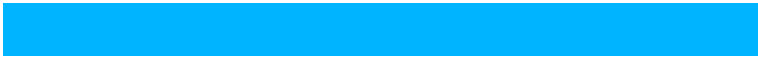
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 72.944, 91.748



71, 72.944, 141.748



71, 72.944, 271.748



71, 72.944, 321.748

Sweetspot

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



71, 72.943, 91.750



96, 31.959, 99.567



43, 78.601, 30.837



50, 21.916, 99.068



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 72.943, 91.750



87, 87.140, 91.233



75, 86.195, 121.256



42, 5.202, 101.817



59, 63.270, 91.593



12, 18.373, 95.452

Inverse Universe

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



29, 100.873, 303.265



35, 123.854, 304.113



29, 107.312, 308.776



40, 5.276, 283.953



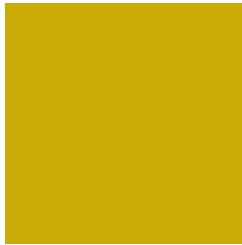
22, 87.896, 303.516



2, 20.975, 288.272

Previews

White Background



This preview shows how the CIELCh color 71, 72.944, 91.748 looks on a white background.

Color Contrast Check

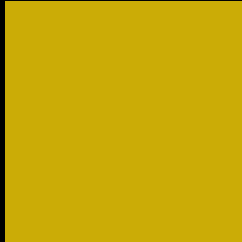
Large Text (above 18pt) WCAG AA × Fail

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 71, 72.944, 91.748 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 71, 72.944, 91.748

Background



This preview shows how black text looks on a background with the CIELCh color 71, 72.944, 91.748.

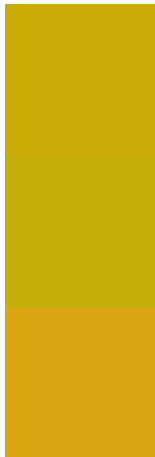


This preview shows how white text looks on a background with the CIELCh color 71, 72.944, 91.748.

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

71, 72.944, 91.748

Protanopia

71, 72.562, 95.024

Deuteranopia

71, 72.279, 82.722



Tritanopia
71, 21.108, 3.539

Trichromacy



Original Color
71, 72.944, 91.748

Protanomaly
71, 72.675, 93.560

Deuteranomaly
71, 72.497, 86.160

Tritanomaly
70, 34.739, 73.189

Monochromacy



Original Color
71, 72.944, 91.748

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 33.366, 98.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 72.944, 91.748 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, 172, 6)` looks like.

```
.text, #text, p{  
    color:rgb(203, 172, 6)  
}
```

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, 172, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 172, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 72.944, 91.748 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, 172, 6) }
```

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

```
.border{ border-color:rgb(203, 172, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 172, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 172, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 172, 6);  
box-shadow:4px 4px 4px 4px rgb(203, 172,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 72.944, 91.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 172, 6) }
```

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

```
.background{ background-color: rgb(203,  
172, 6) }
```

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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