

Converting Colors

CIELCh(72, 71.601, 91.011)

Have a look what the booklet for
CIELCh(72, 71.601, 91.011) contains.

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Color

CIELCh(72, 71.495, 91.038)

Conversions

Conversions Part 1

Format	Color
Hex	CFAE16
RGB	207, 174, 22
RGB Percent	81%, 68%, 9%
CMY	0.1877, 0.3172, 0.9129
CMYK	0.00, 0.16, 0.89, 0.19
HSL	49°, 81%, 45%
HSV	49°, 89%, 81%
XYZ	41.0730, 43.6590, 7.0316
YIQ	166.5390, 68.4600, -40.2760

Conversions

Conversions Part 2

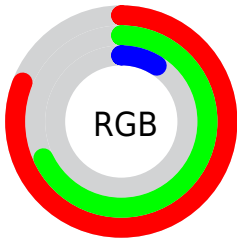
Format	Color
RYB	62, 207, 22
Decimal	13610518
CIELab	72.00, -1.30, 71.48
CIELCh	72, 71.495, 91.038
Yxy	43.6590, 0.4476, 0.4758
Android (android.graphics.Color)	4291800598 (0xFFCFAE16)
YUV	166.5390, -71.2577, 35.4843
Hunter-Lab	66.0750, -4.6735, 39.9429

Details

The CIELCh color **72, 71.495, 91.038** 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 **33, 92.699, 300.666**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 70.096, 95.405**, and **52, 57.710, 90.210** is the 20% darker color. If you saturate the color by 10%, you get **71, 73.620, 89.698**, and if you desaturate by 10%, it is **73, 67.135, 92.301**.

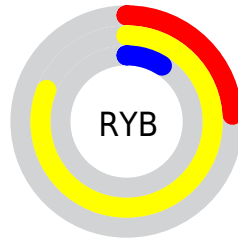
Distribution



Red (81%)

Green (68%)

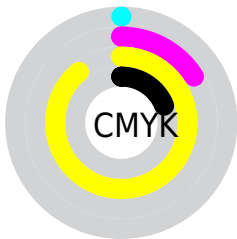
Blue (9%)



Red (24%)

Yellow (81%)

Blue (9%)

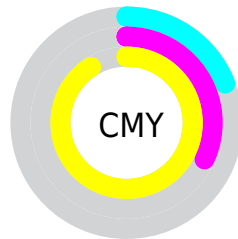


Cyan (0%)

Magenta (16%)

Yellow (89%)

Black (19%)



Cyan (19%)

Magenta (32%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 71.495, 91.038 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 72, 71.495, 91.038 by changing the saturation by 10% instead.

 72, 71.495, 91.038

 72, 71.495, 91.038

 100, 71.495,
91.038

 62, 71.495, 91.038

 92, 71.495, 91.038

 52, 71.495, 91.038

 42, 71.495, 91.038

 32, 71.495, 91.038

 22, 71.495, 91.038

 12, 71.495, 91.038

 2, 71.495, 91.038

 0, 71.495, 91.038

 72, 71.495, 91.038

 72, 71.495, 91.038

71, 73.620, 89.698

73, 67.135, 92.301

71, 73.750, 89.601

74, 60.787, 93.519

75, 53.114, 94.726

76, 44.657, 95.931

78, 35.779, 97.131

79, 26.702, 98.319

80, 17.558, 99.486

82, 8.422, 100.618

83, 0.666, 281.968

Harmonies

Complementary

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



72, 71.495, 91.038



33, 92.699, 300.666

Rectangle

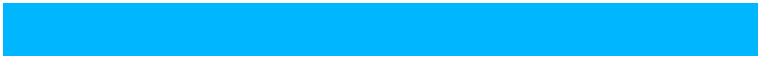
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 71.495, 91.038



72, 71.495, 141.038



72, 71.495, 271.038



72, 71.495, 321.038

Sweetspot

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



72, 71.494, 91.041



95, 29.151, 98.548



44, 74.540, 25.629



50, 19.644, 98.141



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 71.494, 91.041



86, 86.175, 89.417



77, 84.593, 119.773



43, 5.192, 100.603



59, 63.277, 89.820



13, 19.407, 93.372

Inverse Universe

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



33, 92.699, 300.666



36, 121.544, 303.564



31, 104.825, 308.637



41, 5.259, 282.785



23, 87.175, 302.939



3, 22.421, 288.613

Previews

White Background



This preview shows how the CIELCh color 72, 71.495, 91.038 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 72, 71.495, 91.038 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 72, 71.495, 91.038

Background



This preview shows how black text looks on a background with the CIELCh color 72, 71.495, 91.038.



This preview shows how white text looks on a background with the CIELCh color 72, 71.495, 91.038.

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

72, 71.495, 91.038

Protanopia

72, 71.281, 95.130

Deuteranopia

72, 71.572, 82.764



Tritanopia
72, 22.188, 4.587

Trichromacy



Original Color
72, 71.495, 91.038

Protanomaly
72, 71.269, 93.644

Deuteranomaly
72, 71.277, 85.742

Tritanomaly
71, 32.933, 69.903

Monochromacy



Original Color
72, 71.495, 91.038

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 30.712, 97.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 71.495, 91.038 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(207, 174, 22)` looks like.

```
.text, #text, p{  
    color:rgb(207, 174, 22)  
}
```

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(207, 174, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 174, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 71.495, 91.038 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(207, 174, 22) }
```

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

```
.border{ border-color:rgb(207, 174, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 174, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 174, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 174, 22);  
box-shadow:4px 4px 4px 4px rgb(207, 174,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 71.495, 91.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 174, 22) }
```

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

```
.background{ background-color: rgb(207,  
174, 22) }
```

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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