

Converting Colors

CIELCh(70, 71.773, 91.193)

Have a look what the booklet for
CIELCh(70, 71.773, 91.193) contains.

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Color

CIELCh(70, 71.773, 91.193)

Conversions

Conversions Part 1

Format	Color
Hex	C9A909
RGB	201, 169, 9
RGB Percent	79%, 66%, 4%
CMY	0.2123, 0.3377, 0.9659
CMYK	0.00, 0.16, 0.96, 0.21
HSL	50°, 92%, 41%
HSV	50°, 96%, 79%
XYZ	38.2646, 40.7494, 6.0977
YIQ	160.3280, 70.4320, -42.9760

Conversions

Conversions Part 2

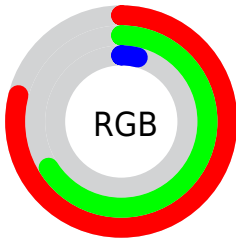
Format	Color
R _Y B	47, 201, 9
Decimal	13216009
CIE Lab	70.00, -1.49, 71.76
CIE LCh	70, 71.773, 91.193
Yxy	40.7494, 0.4496, 0.4788
Android (android.graphics.Color)	4291406089 (0xFFC9A909)
YUV	160.3280, -74.6047, 35.6693
Hunter-Lab	63.8353, -4.7140, 39.0211

Details

The CIELCh color **70, 71.773, 91.193** 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, 97.883, 302.664**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 70.939, 93.569**, and **50, 56.001, 90.231** is the 20% darker color. If you saturate the color by 10%, you get **70, 72.535, 90.653**, and if you desaturate by 10%, it is **71, 69.016, 92.426**.

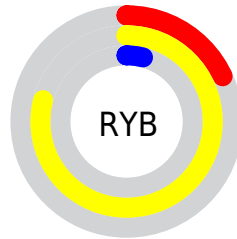
Distribution



Red (79%)

Green (66%)

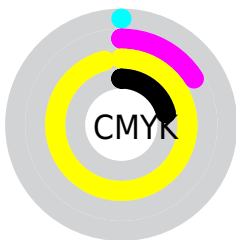
Blue (4%)



Red (18%)

Yellow (79%)

Blue (4%)

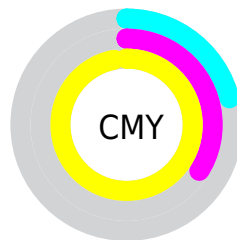


Cyan (0%)

Magenta (16%)

Yellow (96%)

Black (21%)



Cyan (21%)

Magenta (34%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 71.773, 91.193 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, 71.773, 91.193 by changing the saturation by 10% instead.

■ 70, 71.773, 91.193

■ 70, 71.773, 91.193

■ 100, 71.773,
91.193

■ 60, 71.773, 91.193

■ 90, 71.773, 91.193

■ 50, 71.773, 91.193

■ 40, 71.773, 91.193

■ 30, 71.773, 91.193

■ 20, 71.773, 91.193

■ 10, 71.773, 91.193

■ 0, 71.773, 91.193

■ 70, 71.773, 91.193

■ 70, 71.773, 91.193

■ 70, 72.535, 90.653

■ 71, 69.016, 92.426

72, 63.981, 93.606

73, 57.234, 94.775

74, 49.387, 95.948

75, 40.903, 97.126

76, 32.081, 98.301

78, 23.106, 99.464

79, 14.085,
100.605

80, 5.080, 101.704

Harmonies

Complementary

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



70, 71.773, 91.193



29, 97.883, 302.664

Rectangle

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



70, 71.773, 91.193



70, 71.773, 141.193



70, 71.773, 271.193



70, 71.773, 321.193

Sweetspot

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



70, 71.772, 91.195



95, 31.679, 99.032



42, 77.156, 30.089



50, 21.728, 98.528



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, 71.772, 91.195



86, 86.712, 90.457



74, 85.121, 121.101



41, 5.045, 101.305



57, 62.253, 90.860



11, 16.677, 95.241

Inverse Universe

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



29, 97.883, 302.664



36, 122.885, 303.885



29, 105.763, 308.816



39, 5.115, 283.451



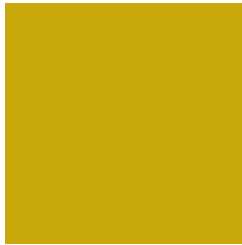
22, 86.070, 303.234



2, 19.024, 287.086

Previews

White Background



This preview shows how the CIELCh color 70, 71.773, 91.193 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, 71.773, 91.193 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, 71.773, 91.193

Background



This preview shows how black text looks on a background with the CIELCh color 70, 71.773, 91.193.



This preview shows how white text looks on a background with the CIELCh color 70, 71.773, 91.193.

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, 71.773, 91.193

Protanopia

70, 71.512, 95.299

Deuteranopia

70, 71.190, 82.730



Tritanopia
70, 21.556, 3.953

Trichromacy



Original Color
70, 71.773, 91.193

Protanomaly
70, 71.619, 93.810

Deuteranomaly
70, 71.278, 86.215

Tritanomaly
69, 34.229, 71.701

Monochromacy



Original Color
70, 71.773, 91.193

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 31.970, 97.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 71.773, 91.193 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(201, 169, 9)` looks like.

```
.text, #text, p{  
    color:rgb(201, 169, 9)  
}
```

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(201, 169, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 169, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 71.773, 91.193 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(201, 169, 9) }
```

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

```
.border{ border-color:rgb(201, 169, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 169, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 169, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 169, 9);  
box-shadow:4px 4px 4px 4px rgb(201, 169,  
9) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 71.773, 91.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 169, 9) }
```

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

```
.background{ background-color: rgb(201,  
169, 9) }
```

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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