

Converting Colors

CIELCh(70, 72.987, 95.210)

Have a look what the booklet for
CIELCh(70, 72.987, 95.210) contains.

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Color

CIELCh(70, 72.819, 95.303)

Conversions

Conversions Part 1

Format	Color
Hex	C1AC00
RGB	193, 172, 0
RGB Percent	76%, 67%, 0%
CMY	0.2439, 0.3262, 1.0000
CMYK	0.00, 0.11, 1.00, 0.24
HSL	53°, 100%, 38%
HSV	53°, 100%, 76%
XYZ	36.6596, 40.7494, 5.9202
YIQ	158.6710, 67.7280, -49.0400

Conversions

Conversions Part 2

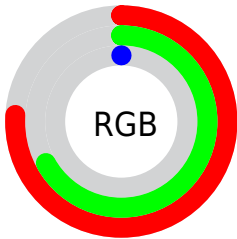
Format	Color
RYB	24, 193, 0
Decimal	12692480
CIELab	70.00, -6.73, 72.51
CIElCh	70, 72.819, 95.303
Yxy	40.7494, 0.4399, 0.4890
Android (android.graphics.Color)	4290882560 (0xFFC1AC00)
YUV	158.6710, -78.2248, 30.1065
Hunter-Lab	63.8353, -9.2020, 39.1860

Details

The CIELCh color **70, 72.819, 95.303** is a dark color, and the websafe version is hex **999900**. The color can be described as dark washed orange. A complement of this color would be **25, 102.952, 304.843**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 72.781, 95.436**, and **50, 56.010, 95.367** is the 20% darker color. If you saturate the color by 10%, you get **70, 72.765, 95.305**, and if you desaturate by 10%, it is **71, 70.756, 96.145**.

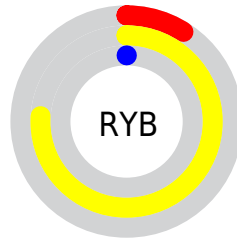
Distribution



Red (76%)

Green (67%)

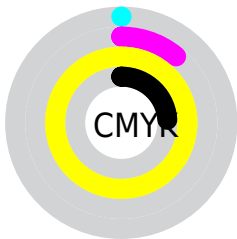
Blue (0%)



Red (9%)

Yellow (76%)

Blue (0%)

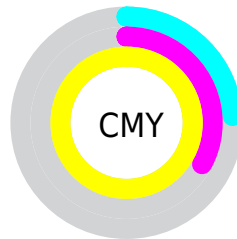


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (33%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 72.819, 95.303 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, 72.819, 95.303 by changing the saturation by 10% instead.

 70, 72.819, 95.303

 70, 72.819, 95.303

 100, 72.819,
95.303

 60, 72.819, 95.303

 90, 72.819, 95.303

 50, 72.819, 95.303

 40, 72.819, 95.303

 30, 72.819, 95.303

 20, 72.819, 95.303

 10, 72.819, 95.303

 0, 72.819, 95.303

 70, 72.819, 95.303

 70, 72.819, 95.303

 70, 72.765, 95.305

 71, 70.756, 96.145

71, 66.796, 97.028

72, 60.881, 97.972

73, 53.567, 98.974

73, 45.360,
100.022

74, 36.626,
101.096

75, 27.601,
102.181

76, 18.434,
103.261

77, 9.213, 104.322

Harmonies

Complementary

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



70, 72.819, 95.303



25, 102.952, 304.843

Rectangle

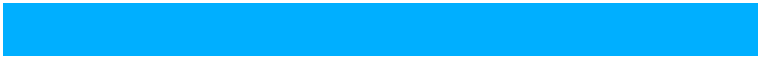
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 72.819, 95.303



70, 72.819, 145.303



70, 72.819, 275.303



70, 72.819, 325.303

Sweetspot

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



70, 72.765, 95.305



95, 34.067, 102.129



40, 79.670, 35.097



50, 23.199, 101.668



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



70, 72.765, 95.305



88, 88.338, 95.174



71, 85.090, 123.701



41, 5.244, 104.388



59, 63.624, 95.417



11, 16.275, 100.218

Inverse Universe

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



25, 102.952, 304.843



33, 126.235, 305.094



28, 103.648, 309.545



38, 5.333, 286.423



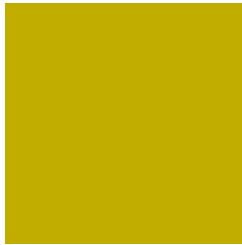
20, 89.195, 304.608



2, 17.979, 288.077

Previews

White Background



This preview shows how the CIELCh color 70, 72.819, 95.303 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, 72.819, 95.303 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, 72.819, 95.303

Background



This preview shows how black text looks on a background with the CIELCh color 70, 72.819, 95.303.



This preview shows how white text looks on a background with the CIELCh color 70, 72.819, 95.303.

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, 72.819, 95.303

Protanopia

70, 72.819, 95.303

Deuteranopia

70, 70.809, 82.663



Tritanopia
70, 17.780, 359.597

Trichromacy



Original Color
70, 72.819, 95.303

Protanomaly
70, 72.819, 95.303

Deuteranomaly
70, 71.446, 87.384

Tritanomaly
69, 33.775, 80.409

Monochromacy



Original Color
70, 72.819, 95.303

Achromatopsia
65, 0.008, 296.813

Achromatomaly
67, 34.252, 101.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 72.819, 95.303 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(193, 172, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 172, 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(193, 172, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 172, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 72.819, 95.303 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(193, 172, 0) }
```

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

```
.border{ border-color:rgb(193, 172, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 172, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 172, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 172, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 172,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 72.819, 95.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 172, 0) }
```

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

```
.background{ background-color: rgb(193,  
172, 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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