

Converting Colors

CIELCh(74, 77.529, 83.832)

Have a look what the booklet for
CIELCh(74, 77.529, 83.832) contains.

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Color

CIELCh(74, 77.339, 83.604)

Conversions

Conversions Part 1

Format	Color
Hex	E5AD01
RGB	229, 173, 1
RGB Percent	90%, 68%, 0%
CMY	0.1007, 0.3205, 0.9970
CMYK	0.00, 0.24, 1.00, 0.10
HSL	45°, 99%, 45%
HSV	45°, 100%, 90%
XYZ	47.4145, 46.7039, 6.5373
YIQ	170.1360, 88.5880, -41.6200

Conversions

Conversions Part 2

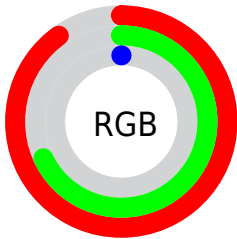
Format	Color
RYB	75, 229, 1
Decimal	15052033
CIELab	74.00, 8.62, 76.86
CIElCh	74, 77.339, 83.604
Yxy	46.7039, 0.4711, 0.4640
Android (android.graphics.Color)	4293242113 (0xFFE5AD01)
YUV	170.1360, -83.3840, 51.6237
Hunter-Lab	68.3403, 4.2478, 42.1666

Details

The CIELCh color **74, 77.339, 83.604** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **35, 103.434, 301.123**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 72.487, 95.121**, and **54, 60.870, 80.854** is the 20% darker color. If you saturate the color by 10%, you get **74, 77.403, 83.543**, and if you desaturate by 10%, it is **75, 75.048, 85.482**.

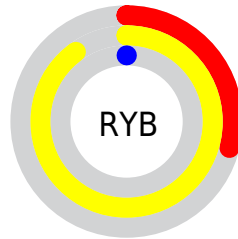
Distribution



Red (90%)

Green (68%)

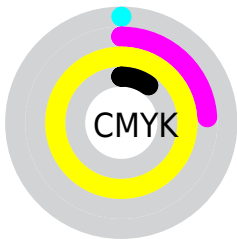
Blue (0%)



Red (29%)

Yellow (90%)

Blue (0%)

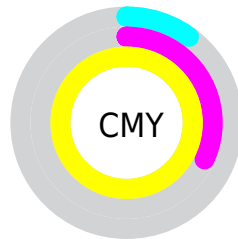


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (32%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 77.339, 83.604 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 74, 77.339, 83.604 by changing the saturation by 10% instead.

 74, 77.339, 83.604

 74, 77.339, 83.604

 100, 77.339,
83.604

 64, 77.339, 83.604

 94, 77.339, 83.604

 54, 77.339, 83.604

 44, 77.339, 83.604

 34, 77.339, 83.604

 24, 77.339, 83.604

 14, 77.339, 83.604

 4, 77.339, 83.604

 0, 77.339, 83.604

 74, 77.339, 83.604

 74, 77.339, 83.604

74, 77.403, 83.543

75, 75.048, 85.482

77, 70.285, 87.119

78, 63.403, 88.596

80, 55.192, 89.987

82, 46.256, 91.333

84, 36.981, 92.648

85, 27.589, 93.933

87, 18.204, 95.184

89, 8.891, 96.391

Harmonies

Complementary

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



74, 77.339, 83.604



35, 103.434, 301.123

Rectangle

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



74, 77.339, 83.604



74, 77.339, 133.604



74, 77.339, 263.604



74, 77.339, 313.604

Sweetspot

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



74, 77.338, 83.607



94, 30.415, 93.868



48, 83.470, 26.160



49, 20.778, 93.326



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 77.338, 83.607



81, 83.834, 83.411



84, 92.975, 117.523



47, 5.227, 96.416



59, 64.259, 83.908



16, 23.525, 86.826

Inverse Universe

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



35, 103.434, 301.123



39, 113.055, 301.380



31, 120.818, 307.626



45, 5.270, 278.749



27, 84.718, 300.726



5, 27.959, 291.156

Previews

White Background



This preview shows how the CIELCh color 74, 77.339, 83.604 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 74, 77.339, 83.604 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 74, 77.339, 83.604

Background



This preview shows how black text looks on a background with the CIELCh color 74, 77.339, 83.604.



This preview shows how white text looks on a background with the CIELCh color 74, 77.339, 83.604.

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

74, 77.227, 83.588

Protanopia

74, 74.986, 95.040

Deuteranopia

74, 76.849, 83.196



Tritanopia
74, 30.655, 10.328

Trichromacy



Original Color
74, 77.227, 83.588

Protanomaly
74, 75.269, 90.786

Deuteranomaly
74, 77.068, 83.229

Tritanomaly
73, 43.495, 62.738

Monochromacy



Original Color
74, 77.227, 83.588

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 35.170, 91.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 77.339, 83.604 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(229, 173, 1)` looks like.

```
.text, #text, p{  
    color:rgb(229, 173, 1)  
}
```

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(229, 173, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 173, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 77.339, 83.604 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(229, 173, 1) }
```

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

```
.border{ border-color:rgb(229, 173, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 173, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 173, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 173, 1);  
box-shadow:4px 4px 4px 4px rgb(229, 173,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 77.339, 83.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 173, 1) }
```

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

```
.background{ background-color: rgb(229,  
173, 1) }
```

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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