

Converting Colors

CIELCh(71, 75.718, 81.742)

Have a look what the booklet for
CIELCh(71, 75.718, 81.742) contains.

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Color

CIELCh(71, 75.370, 81.780)

Conversions

Conversions Part 1

Format	Color
Hex	DFA400
RGB	223, 164, 0
RGB Percent	87%, 64%, 0%
CMY	0.1259, 0.3572, 1.0000
CMYK	0.00, 0.26, 1.00, 0.13
HSL	44°, 100%, 44%
HSV	44°, 100%, 87%
XYZ	43.6550, 42.1875, 5.8352
YIQ	162.9450, 87.8080, -38.4960

Conversions

Conversions Part 2

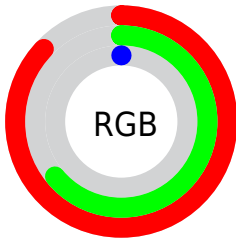
Format	Color
R _Y B	80, 223, 0
Decimal	14656512
CIE Lab	71.00, 10.78, 74.60
CIE LCh	71, 75.370, 81.780
Yxy	42.1875, 0.4762, 0.4602
Android (android.graphics.Color)	4292846592 (0xFFDFA400)
YUV	162.9450, -80.3319, 52.6682
Hunter-Lab	64.9519, 6.3063, 40.1398

Details

The CIELCh color **71, 75.370, 81.780** 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 **35, 98.913, 300.375**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 70.699, 91.658**, and **51, 59.005, 78.829** is the 20% darker color. If you saturate the color by 10%, you get **71, 75.342, 81.778**, and if you desaturate by 10%, it is **73, 72.972, 83.788**.

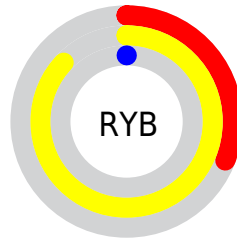
Distribution



Red (87%)

Green (64%)

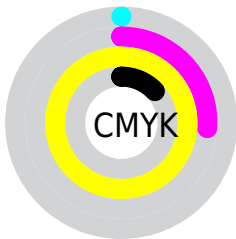
Blue (0%)



Red (31%)

Yellow (87%)

Blue (0%)

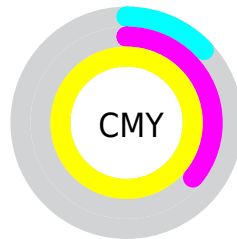


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 75.370, 81.780 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, 75.370, 81.780 by changing the saturation by 10% instead.

71, 75.370, 81.780

71, 75.370, 81.780

100, 75.370,
81.780

61, 75.370, 81.780

91, 75.370, 81.780

51, 75.370, 81.780

41, 75.370, 81.780

31, 75.370, 81.780

21, 75.370, 81.780

11, 75.370, 81.780

1, 75.370, 81.780

0, 75.370, 81.780

71, 75.370, 81.780

71, 75.370, 81.780

71, 75.342, 81.778

73, 72.972, 83.788

74, 68.260, 85.525

76, 61.505, 87.066

77, 53.493, 88.502

79, 44.816, 89.881

81, 35.842, 91.221

83, 26.782, 92.527

85, 17.753, 93.798

87, 8.813, 95.022

Harmonies

Complementary

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



71, 75.370, 81.780



35, 98.913, 300.375

Rectangle

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



71, 75.370, 81.780



71, 75.370, 131.780



71, 75.370, 261.780



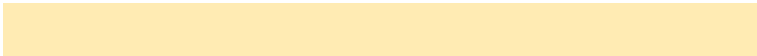
71, 75.370, 311.780

Sweetspot

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



71, 75.342, 81.778



93, 29.875, 92.498



47, 80.999, 24.822



49, 20.420, 91.947



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, 75.342, 81.778



80, 83.363, 81.592



83, 90.659, 116.652



46, 5.029, 95.087



57, 63.213, 82.162



15, 21.874, 85.237

Inverse Universe

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



35, 98.913, 300.375



40, 110.297, 300.605



30, 118.687, 307.473



44, 5.062, 277.450



27, 81.630, 299.881



5, 25.845, 289.332

Previews

White Background



This preview shows how the CIELCh color 71, 75.370, 81.780 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, 75.370, 81.780 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, 75.370, 81.780

Background



This preview shows how black text looks on a background with the CIELCh color 71, 75.370, 81.780.



This preview shows how white text looks on a background with the CIELCh color 71, 75.370, 81.780.

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, 75.370, 81.780

Protanopia

71, 72.206, 95.419

Deuteranopia

71, 74.923, 83.154



Tritanopia
71, 31.749, 10.909

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 75.370, 81.780 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(223, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 164, 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(223, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 164, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 75.370, 81.780 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(223, 164, 0) }
```

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

```
.border{ border-color:rgb(223, 164, 0) }
```

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

Here you see how a box with a 4 pixel rgb(223, 164, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 164,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 75.370, 81.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 164, 0) }
```

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

```
.background{ background-color: rgb(223,  
164, 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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