

Converting Colors

CIELCh(70, 73.884, 84.827)

Have a look what the booklet for
CIELCh(70, 73.884, 84.827) contains.

CIELCh(70, 73.793, 84.691)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 73.793, 84.691)

Conversions

Conversions Part 1

Format	Color
Hex	D6A400
RGB	214, 164, 0
RGB Percent	84%, 64%, 0%
CMY	0.1616, 0.3576, 1.0000
CMYK	0.00, 0.23, 1.00, 0.16
HSL	46°, 100%, 42%
HSV	46°, 100%, 84%
XYZ	40.9110, 40.7494, 5.6959
YIQ	160.2540, 82.4440, -40.4040

Conversions

Conversions Part 2

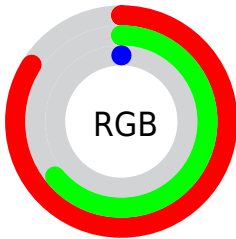
Format	Color
RYB	65, 214, 0
Decimal	14066688
CIELab	70.00, 6.83, 73.48
CIElCh	70, 73.793, 84.691
Yxy	40.7494, 0.4683, 0.4665
Android (android.graphics.Color)	4292256768 (0xFFD6A400)
YUV	160.2540, -79.0052, 47.1352
Hunter-Lab	63.8353, 2.6860, 39.3943

Details

The CIELCh color **70, 73.793, 84.691** 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 **32, 99.441, 301.525**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 71.077, 91.688**, and **50, 57.317, 82.266** is the 20% darker color. If you saturate the color by 10%, you get **70, 73.737, 84.686**, and if you desaturate by 10%, it is **71, 71.525, 86.454**.

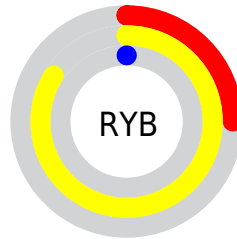
Distribution



Red (84%)

Green (64%)

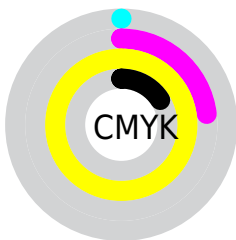
Blue (0%)



Red (25%)

Yellow (84%)

Blue (0%)

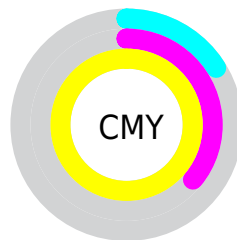


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (16%)



Cyan (16%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 73.793, 84.691 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, 73.793, 84.691 by changing the saturation by 10% instead.

70, 73.793, 84.691

70, 73.793, 84.691

100, 73.793,
84.691

60, 73.793, 84.691

90, 73.793, 84.691

50, 73.793, 84.691

40, 73.793, 84.691

30, 73.793, 84.691

20, 73.793, 84.691

10, 73.793, 84.691

0, 73.793, 84.691

70, 73.793, 84.691

70, 73.793, 84.691

70, 73.737, 84.686

71, 71.525, 86.454

73, 67.075, 88.024

74, 60.609, 89.454

76, 52.859, 90.813

77, 44.396, 92.132

79, 35.585, 93.425

80, 26.643, 94.691

82, 17.692, 95.925

84, 8.797, 97.118

Harmonies

Complementary

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



70, 73.793, 84.691



32, 99.441, 301.525

Rectangle

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



70, 73.793, 84.691



70, 73.793, 134.691



70, 73.793, 264.691



70, 73.793, 314.691

Sweetspot

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



70, 73.737, 84.686



94, 30.742, 94.653



45, 79.194, 26.076



49, 20.996, 94.117



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, 73.737, 84.686



82, 84.158, 84.472



79, 88.251, 117.498



44, 4.998, 97.185



57, 62.472, 85.010



13, 19.740, 88.404

Inverse Universe

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



32, 99.441, 301.525



39, 114.631, 301.807



28, 114.721, 307.659



42, 5.043, 279.478



25, 82.942, 301.079



4, 23.187, 288.029

Previews

White Background



This preview shows how the CIELCh color 70, 73.793, 84.691 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, 73.793, 84.691 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, 73.793, 84.691

Background



This preview shows how black text looks on a background with the CIELCh color 70, 73.793, 84.691.



This preview shows how white text looks on a background with the CIELCh color 70, 73.793, 84.691.

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, 73.793, 84.691

Protanopia

70, 71.512, 95.299

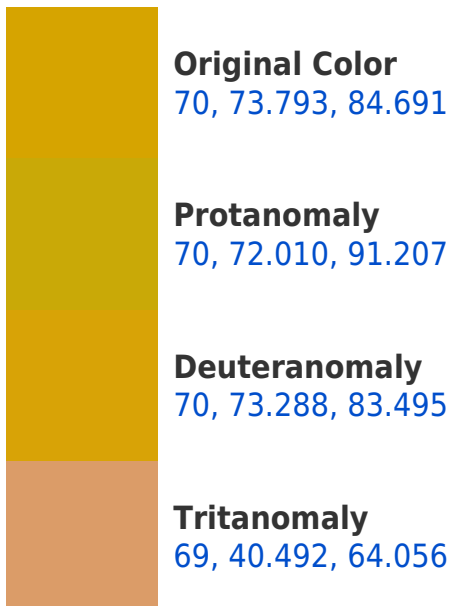
Deuteranopia

70, 73.109, 83.109



Tritanopia
70, 28.229, 8.995

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 73.793, 84.691 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(214, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 164, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 73.793, 84.691 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(214, 164, 0) }
```

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

```
.border{ border-color:rgb(214, 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(214, 164, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 164,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 73.793, 84.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 164, 0) }
```

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

```
.background{ background-color: rgb(214,  
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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