

Converting Colors

CIELCh(71, 58.387, 73.661)

Have a look what the booklet for
CIELCh(71, 58.387, 73.661) contains.

CIELCh(71, 58.340, 73.709)	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(71, 58.340, 73.709)

Conversions

Conversions Part 1

Format	Color
Hex	E4A145
RGB	228, 161, 69
RGB Percent	89%, 63%, 27%
CMY	0.1077, 0.3702, 0.7310
CMYK	0.00, 0.29, 0.70, 0.11
HSL	35°, 74%, 58%
HSV	35°, 70%, 89%
XYZ	45.5801, 42.1875, 11.3054
YIQ	170.5450, 69.4640, -14.4080

Conversions

Conversions Part 2

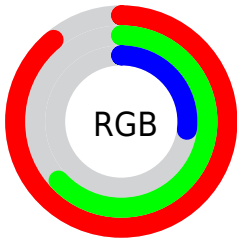
Format	Color
RYB	185, 228, 69
Decimal	14983493
CIELab	71.00, 16.37, 56.00
CIELCh	71, 58.340, 73.709
Yxy	42.1875, 0.4601, 0.4258
Android (android.graphics.Color)	4293173573 (0xFFE4A145)
YUV	170.5450, -50.0617, 50.3880
Hunter-Lab	64.9519, 11.5968, 35.1464

Details

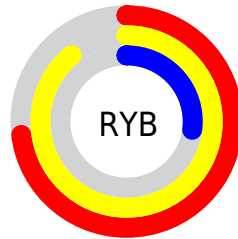
The CIELCh color **71, 58.340, 73.709** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **56, 53.652, 279.410**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 51.482, 87.459**, and **51, 58.281, 74.023** is the 20% darker color. If you saturate the color by 10%, you get **69, 66.146, 71.936**, and if you desaturate by 10%, it is **74, 49.784, 75.280**.

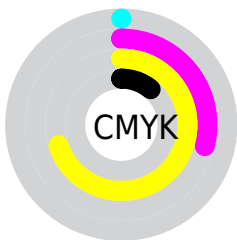
Distribution



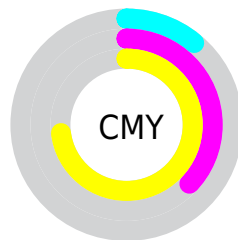
- Red (89%)
- Green (63%)
- Blue (27%)



- Red (73%)
- Yellow (89%)
- Blue (27%)



- Cyan (0%)
- Magenta (29%)
- Yellow (70%)
- Black (11%)



- Cyan (11%)
- Magenta (37%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 58.340, 73.709 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, 58.340, 73.709 by changing the saturation by 10% instead.

71, 58.340, 73.709

71, 58.340, 73.709

100, 58.340,
73.709

61, 58.340, 73.709

91, 58.340, 73.709

51, 58.340, 73.709

41, 58.340, 73.709

31, 58.340, 73.709

21, 58.340, 73.709

11, 58.340, 73.709

1, 58.340, 73.709

0, 58.340, 73.709

71, 58.340, 73.709

71, 58.340, 73.709

69, 66.146, 71.936

74, 49.784, 75.280

66, 72.335, 69.747

76, 41.015, 76.746

64, 76.306, 66.980

79, 32.313, 78.157

64, 76.363, 66.939

82, 23.813, 79.530

85, 15.568, 80.867

87, 7.592, 82.153

90, 0.123, 266.214

93, 7.593, 264.736

96, 7.703, 232.103

Harmonies

Complementary

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



71, 58.340, 73.709



56, 53.652, 279.410

Rectangle

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



71, 58.340, 73.709



71, 58.340, 123.709



71, 58.340, 253.709



71, 58.340, 303.709

Sweetspot

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



71, 58.339, 73.712



93, 18.105, 80.697



54, 66.147, 357.600



49, 12.312, 80.329



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, 58.339, 73.712



75, 75.544, 70.980



87, 75.500, 107.314



47, 4.405, 82.201



51, 63.594, 67.547



13, 21.197, 69.292

Inverse Universe

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



56, 53.652, 279.410



56, 71.281, 285.121



40, 93.947, 302.863



45, 4.358, 264.764



35, 64.178, 290.770



7, 22.576, 282.613

Previews

White Background



This preview shows how the CIELCh color 71, 58.340, 73.709 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 CIE LCh color 71, 58.340, 73.709 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, 58.340, 73.709

Background



This preview shows how black text looks on a background with the CIELCh color 71, 58.340, 73.709.



This preview shows how white text looks on a background with the CIELCh color 71, 58.340, 73.709.

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, 58.340, 73.709

Protanopia

71, 53.271, 95.251

Deuteranopia

71, 57.049, 80.473



Tritanopia
71, 33.340, 12.598

Trichromacy



Original Color
71, 58.340, 73.709

Protanomaly
71, 54.146, 87.027

Deuteranomaly
71, 57.226, 77.614

Tritanomaly
71, 36.676, 44.280

Monochromacy



Original Color
71, 58.340, 73.709

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 21.128, 80.196

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 58.340, 73.709 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(228, 161, 69)` looks like.

```
.text, #text, p{  
    color:rgb(228, 161, 69)  
}
```

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(228, 161, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 161, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 58.340, 73.709 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(228, 161, 69) }
```

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

```
.border{ border-color:rgb(228, 161, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 161, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 161, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 161, 69);  
box-shadow:4px 4px 4px 4px rgb(228, 161,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 58.340, 73.709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 161, 69) }
```

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

```
.background{ background-color: rgb(228,  
161, 69) }
```

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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