

Converting Colors

CIELCh(53, 72.307, 58.824)

Have a look what the booklet for
CIELCh(53, 72.307, 58.824) contains.

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Color

CIELCh(53, 72.232, 58.741)

Conversions

Conversions Part 1

Format	Color
Hex	CA6100
RGB	202, 97, 0
RGB Percent	79%, 38%, 0%
CMY	0.2086, 0.6202, 1.0000
CMYK	0.00, 0.52, 1.00, 0.21
HSL	29°, 100%, 40%
HSV	29°, 100%, 79%
XYZ	28.5599, 21.0462, 2.5498
YIQ	117.3370, 93.7170, -7.9070

Conversions

Conversions Part 2

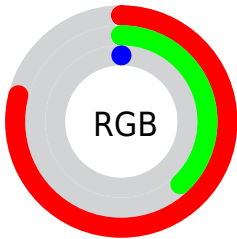
Format	Color
RYB	202, 187, 0
Decimal	13263104
CIELab	53.00, 37.48, 61.75
CIElCh	53, 72.232, 58.741
Yxy	21.0462, 0.5476, 0.4035
Android (android.graphics.Color)	4291453184 (0xFFCA6100)
YUV	117.3370, -57.8471, 74.2495
Hunter-Lab	45.8761, 30.8408, 28.8180

Details

The CIELCh color **53, 72.232, 58.741** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **45, 58.482, 282.324**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 68.506, 60.667**, and **33, 58.818, 50.028** is the 20% darker color. If you saturate the color by 10%, you get **53, 72.186, 58.720**, and if you desaturate by 10%, it is **55, 67.079, 61.212**.

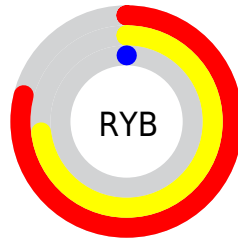
Distribution



Red (79%)

Green (38%)

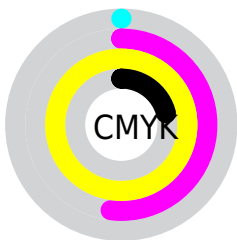
Blue (0%)



Red (79%)

Yellow (73%)

Blue (0%)

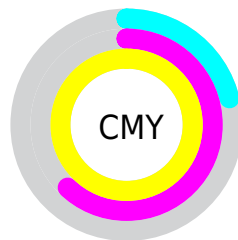


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (21%)



Cyan (21%)

Magenta (62%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 72.232, 58.741 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 53, 72.232, 58.741 by changing the saturation by 10% instead.

■ 53, 72.232, 58.741

■ 53, 72.232, 58.741

■ 100, 72.232,
58.741

■ 43, 72.232, 58.741

■ 73, 72.232, 58.741

■ 33, 72.232, 58.741

■ 83, 72.232, 58.741

■ 23, 72.232, 58.741

■ 93, 72.232, 58.741

■ 13, 72.232, 58.741

■ 3, 72.232, 58.741

■ 0, 72.232, 58.741

■ 53, 72.232, 58.741

■ 53, 72.232, 58.741

■ 53, 72.186, 58.720

■ 55, 67.079, 61.212

■ 58, 60.294, 63.139

60, 52.394, 64.629

63, 44.152, 65.931

66, 35.986, 67.165

69, 28.089, 68.380

72, 20.537, 69.590

75, 13.347, 70.792

78, 6.507, 71.965

Harmonies

Complementary

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



53, 72.232, 58.741



45, 58.482, 282.324

Rectangle

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



53, 72.232, 58.741



53, 72.232, 108.741



53, 72.232, 238.741



53, 72.232, 288.741

Sweetspot

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



53, 72.186, 58.720



89, 24.858, 69.540



44, 71.500, 359.129



46, 17.146, 69.023



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 72.186, 58.720



66, 86.387, 58.156



77, 79.264, 100.697



41, 3.718, 72.033



44, 62.165, 59.299



8, 14.366, 55.294

Inverse Universe

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



45, 58.482, 282.324



56, 70.699, 283.009



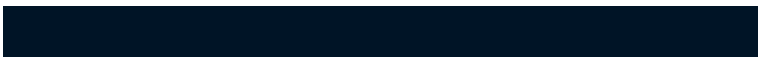
25, 110.729, 305.928



41, 3.627, 254.468



37, 49.843, 281.614



6, 14.770, 269.310

Previews

White Background



This preview shows how the CIELCh color 53, 72.232, 58.741 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 72.232, 58.741 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 72.232, 58.741

Background



This preview shows how black text looks on a background with the CIELCh color 53, 72.232, 58.741.



This preview shows how white text looks on a background with the CIELCh color 53, 72.232, 58.741.

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

53, 72.232, 58.741

Protanopia

53, 55.110, 95.784

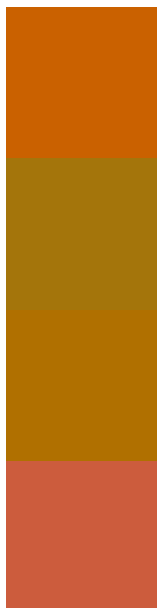
Deuteranopia

53, 59.517, 83.789



Tritanopia
53, 50.032, 22.775

Trichromacy



Original Color
53, 72.232, 58.741

Protanomaly
53, 57.684, 79.758

Deuteranomaly
53, 62.478, 72.907

Tritanomaly
53, 57.559, 42.528

Monochromacy



Original Color
53, 72.232, 58.741

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 27.918, 67.969

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 72.232, 58.741 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(202, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(202, 97, 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(202, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 97, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 72.232, 58.741 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(202, 97, 0) }
```

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

```
.border{ border-color:rgb(202, 97, 0) }
```

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

Here you see how a box with a 4 pixel rgb(202, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(202, 97, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 72.232, 58.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 97, 0) }
```

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

```
.background{ background-color: rgb(202, 97,  
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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