

Converting Colors

CIELCh(51, 73.399, 52.434)

Have a look what the booklet for
CIELCh(51, 73.399, 52.434) contains.

CIELCh(51, 73.273, 52.340)	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(51, 73.273, 52.340)

Conversions

Conversions Part 1

Format	Color
Hex	CC540C
RGB	204, 84, 12
RGB Percent	80%, 33%, 5%
CMY	0.1991, 0.6698, 0.9518
CMYK	0.00, 0.59, 0.94, 0.20
HSL	22°, 89%, 42%
HSV	22°, 94%, 80%
XYZ	28.2198, 19.2686, 2.5889
YIQ	111.6720, 94.6320, 3.0480

Conversions

Conversions Part 2

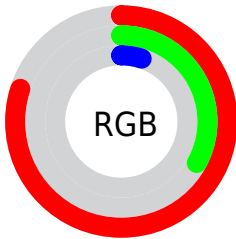
Format	Color
R_{YB}	204, 127, 12
Decimal	13390860
CIE Lab	51.00, 44.77, 58.01
CIE LCh	51, 73.273, 52.340
Yxy	19.2686, 0.5635, 0.3848
Android (android.graphics.Color)	4291580940 (0xFFCC540C)
YUV	111.6720, -49.1383, 80.9717
Hunter-Lab	43.8960, 37.9358, 27.2304

Details

The CIELCh color **51, 73.273, 52.340** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **53, 45.405, 266.072**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 68.569, 54.528**, and **31, 63.058, 44.097** is the 20% darker color. If you saturate the color by 10%, you get **50, 76.952, 51.259**, and if you desaturate by 10%, it is **54, 65.980, 53.851**.

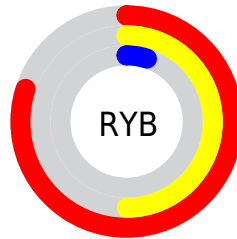
Distribution



Red (80%)

Green (33%)

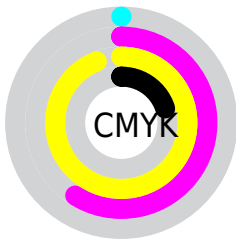
Blue (5%)



Red (80%)

Yellow (50%)

Blue (5%)

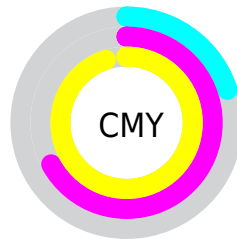


Cyan (0%)

Magenta (59%)

Yellow (94%)

Black (20%)



Cyan (20%)

Magenta (67%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 73.273, 52.340 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 51, 73.273, 52.340 by changing the saturation by 10% instead.

51, 73.273, 52.340

51, 73.273, 52.340

100, 73.273,
52.340

41, 73.273, 52.340

71, 73.273, 52.340

31, 73.273, 52.340

81, 73.273, 52.340

21, 73.273, 52.340

91, 73.273, 52.340

11, 73.273, 52.340

1, 73.273, 52.340

0, 73.273, 52.340

51, 73.273, 52.340

51, 73.273, 52.340

50, 76.952, 51.259

54, 65.980, 53.851

56, 57.340, 54.776

59, 48.361, 55.498

63, 39.561, 56.194

66, 31.170, 56.932

70, 23.267, 57.729

73, 15.866, 58.577

77, 8.944, 59.454

81, 2.463, 60.244

Harmonies

Complementary

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



51, 73.273, 52.340



53, 45.405, 266.072

Rectangle

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



51, 73.273, 52.340



51, 73.273, 102.340



51, 73.273, 232.340



51, 73.273, 282.340

Sweetspot

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



51, 73.271, 52.342



87, 22.516, 58.200



45, 74.739, 348.750



45, 15.780, 57.832



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 73.271, 52.342



61, 91.377, 50.768



73, 73.785, 93.959



41, 3.570, 59.850



40, 65.555, 51.829



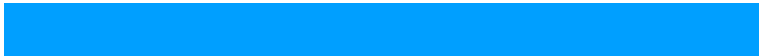
7, 14.780, 43.700

Inverse Universe

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



53, 45.405, 266.072



63, 56.844, 269.795



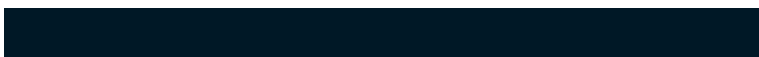
29, 100.911, 303.272



41, 3.428, 241.857



42, 40.338, 268.240



7, 12.963, 256.581

Previews

White Background



This preview shows how the CIELCh color 51, 73.273, 52.340 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 51, 73.273, 52.340 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 51, 73.273, 52.340

Background



This preview shows how black text looks on a background with the CIELCh color 51, 73.273, 52.340.



This preview shows how white text looks on a background with the CIELCh color 51, 73.273, 52.340.

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

51, 73.273, 52.340

Protanopia

51, 51.206, 95.422

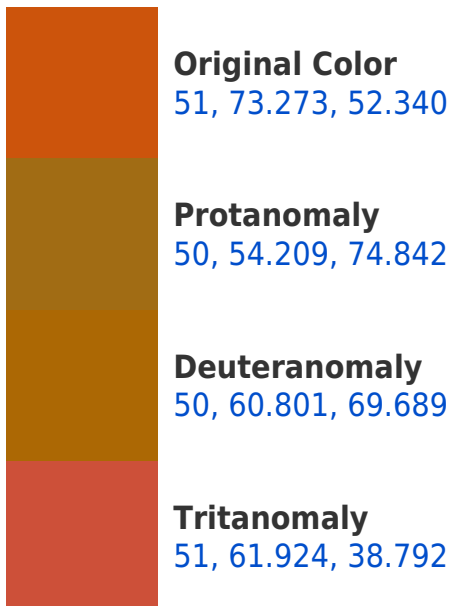
Deuteranopia

51, 57.654, 84.022



Tritanopia
51, 56.458, 25.358

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 73.273, 52.340 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(204, 84, 12)` looks like.

```
.text, #text, p{  
    color:rgb(204, 84, 12)  
}
```

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(204, 84, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 84, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 73.273, 52.340 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(204, 84, 12) }
```

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

```
.border{ border-color:rgb(204, 84, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 84, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 84, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 84, 12);  
box-shadow:4px 4px 4px 4px rgb(204, 84,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 73.273, 52.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 84, 12) }
```

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

```
.background{ background-color: rgb(204, 84,  
12) }
```

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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