

Converting Colors

CIELCh(53, 76.891, 54.577)

Have a look what the booklet for
CIELCh(53, 76.891, 54.577) contains.

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Color

CIELCh(53, 76.702, 54.598)

Conversions

Conversions Part 1

Format	Color
Hex	D35A00
RGB	211, 90, 0
RGB Percent	83%, 35%, 0%
CMY	0.1741, 0.6483, 1.0000
CMYK	0.00, 0.57, 1.00, 0.17
HSL	26°, 100%, 41%
HSV	26°, 100%, 83%
XYZ	30.3758, 21.0462, 2.4477
YIQ	115.9190, 101.0060, -2.3380

Conversions

Conversions Part 2

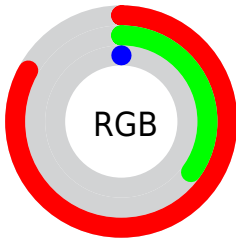
Format	Color
RYB	211, 157, 0
Decimal	13851136
CIELab	53.00, 44.43, 62.52
CIELCh	53, 76.702, 54.598
Yxy	21.0462, 0.5639, 0.3907
Android (android.graphics.Color)	4292041216 (0xFFD35A00)
YUV	115.9190, -57.1481, 83.3860
Hunter-Lab	45.8761, 37.9064, 28.9500

Details

The CIELCh color **53, 76.702, 54.598** 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 **50, 54.164, 276.234**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 69.320, 58.140**, and **33, 64.129, 45.668** is the 20% darker color. If you saturate the color by 10%, you get **53, 76.619, 54.553**, and if you desaturate by 10%, it is **55, 70.769, 56.800**.

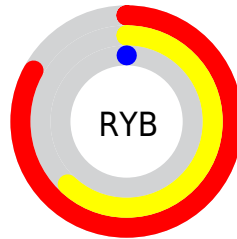
Distribution



Red (83%)

Green (35%)

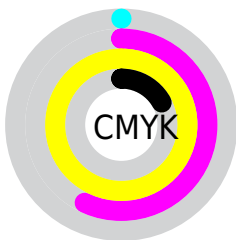
Blue (0%)



Red (83%)

Yellow (62%)

Blue (0%)

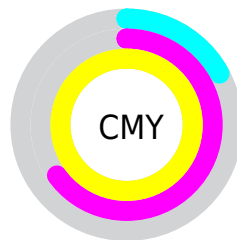


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (17%)



Cyan (17%)

Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 76.702, 54.598 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, 76.702, 54.598 by changing the saturation by 10% instead.

53, 76.702, 54.598

53, 76.702, 54.598

100, 76.702,
54.598

43, 76.702, 54.598

73, 76.702, 54.598

33, 76.702, 54.598

83, 76.702, 54.598

23, 76.702, 54.598

93, 76.702, 54.598

13, 76.702, 54.598

3, 76.702, 54.598

0, 76.702, 54.598

53, 76.702, 54.598

53, 76.702, 54.598

53, 76.619, 54.553

55, 70.769, 56.800

58, 63.159, 58.436

61, 54.517, 59.635

64, 45.663, 60.672

67, 37.009, 61.675

70, 28.736, 62.692

74, 20.906, 63.733

77, 13.523, 64.791

81, 6.564, 65.839

Harmonies

Complementary

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



53, 76.702, 54.598



50, 54.164, 276.234

Rectangle

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



53, 76.702, 54.598



53, 76.702, 104.598



53, 76.702, 234.598



53, 76.702, 284.598

Sweetspot

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



53, 76.619, 54.553



88, 24.441, 63.698



46, 75.011, 354.668



45, 16.893, 63.252



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, 76.619, 54.553



63, 88.810, 54.112



77, 79.007, 97.175



42, 3.696, 65.899



43, 64.538, 55.184



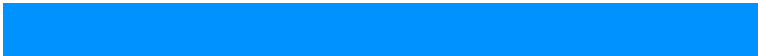
8, 15.907, 49.598

Inverse Universe

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



50, 54.164, 276.234



60, 63.180, 276.820



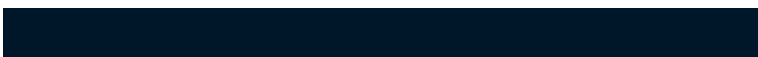
27, 112.006, 305.357



42, 3.576, 248.167



40, 45.220, 275.395



7, 14.641, 263.926

Previews

White Background



This preview shows how the CIELCh color 53, 76.702, 54.598 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, 76.702, 54.598 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, 76.702, 54.598

Background



This preview shows how black text looks on a background with the CIELCh color 53, 76.702, 54.598.



This preview shows how white text looks on a background with the CIELCh color 53, 76.702, 54.598.

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, 76.702, 54.598

Protanopia

53, 54.597, 95.780

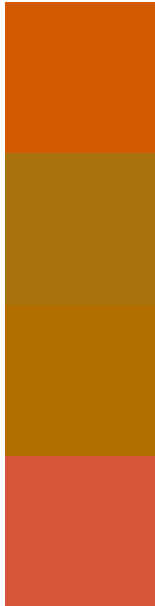
Deuteranopia

53, 59.517, 83.789



Tritanopia
53, 56.742, 24.575

Trichromacy



Original Color
53, 76.702, 54.598

Protanomaly
52, 58.024, 76.224

Deuteranomaly
53, 63.366, 70.823

Tritanomaly
53, 63.730, 40.466

Monochromacy



Original Color
53, 76.702, 54.598

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 28.391, 61.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 76.702, 54.598 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(211, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(211, 90, 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(211, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 90, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 76.702, 54.598 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(211, 90, 0) }
```

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

```
.border{ border-color:rgb(211, 90, 0) }
```

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

Here you see how a box with a 4 pixel rgb(211, 90, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(211, 90, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 76.702, 54.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 90, 0) }
```

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

```
.background{ background-color: rgb(211, 90,  
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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