

# Converting Colors

CIELCh(53, 77.052, 54.301)

Have a look what the booklet for  
CIELCh(53, 77.052, 54.301) contains.

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# Color

**CIELCh(53, 76.895, 54.266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D35900
RGB	211, 89, 0
RGB Percent	83%, 35%, 0%
CMY	0.1718, 0.6504, 0.9991
CMYK	0.00, 0.58, 1.00, 0.17
HSL	25°, 100%, 41%
HSV	25°, 100%, 83%
XYZ	30.5024, 21.0462, 2.4609
YIQ	115.3320, 101.2810, -1.8150

# Conversions

## Conversions Part 2

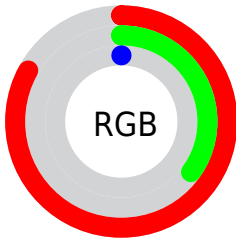
Format	Color
<a href="#">RYB</a>	211, 154, 0
Decimal	13850880
CIELab	53.00, 44.91, 62.42
CIElCh	53, 76.895, 54.266
Yxy	21.0462, 0.5648, 0.3897
Android (android.graphics.Color)	4292040960 (0xFFD35900)
YUV	115.3320, -56.8587, 83.9008
Hunter-Lab	45.8761, 38.3989, 28.9328

# Details

The CIELCh color **53, 76.895, 54.266** 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, 53.759, 275.654**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 69.413, 57.692**, and **33, 64.327, 45.383** is the 20% darker color. If you saturate the color by 10%, you get **53, 76.955, 54.248**, and if you desaturate by 10%, it is **55, 70.978, 56.490**.

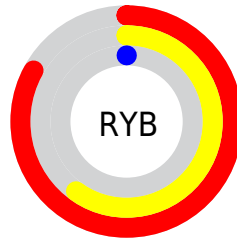
# Distribution



Red (83%)

Green (35%)

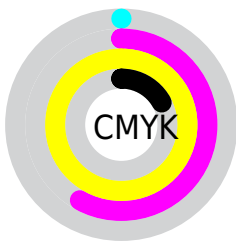
Blue (0%)



Red (83%)

Yellow (60%)

Blue (0%)

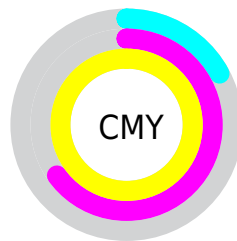


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (17%)



Cyan (17%)

Magenta (65%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 76.895, 54.266 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, 76.895, 54.266 by changing the saturation by 10% instead.



53, 76.895, 54.266

53, 76.895, 54.266

100, 76.895,  
54.266

43, 76.895, 54.266

73, 76.895, 54.266

33, 76.895, 54.266

83, 76.895, 54.266

23, 76.895, 54.266

93, 76.895, 54.266

13, 76.895, 54.266

3, 76.895, 54.266

0, 76.895, 54.266

53, 76.895, 54.266

53, 76.895, 54.266

53, 76.955, 54.248

55, 70.978, 56.490

58, 63.289, 58.091

61, 54.585, 59.259

64, 45.685, 60.270

67, 36.998, 61.252

70, 28.700, 62.250

74, 20.854, 63.275

77, 13.461, 64.320

81, 6.497, 65.355

# Harmonies

# Complementary

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



53, 76.895, 54.266



50, 53.759, 275.654

# Rectangle

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



53, 76.895, 54.266



53, 76.895, 104.266



53, 76.895, 234.266



53, 76.895, 284.266

# Sweetspot

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



53, 76.892, 54.268



87, 24.419, 63.231



46, 75.157, 354.641



45, 16.880, 62.791



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, 76.892, 54.268



63, 89.016, 53.816



77, 79.152, 97.181



42, 3.690, 65.404



43, 64.680, 54.885



8, 15.930, 49.103



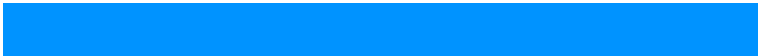


# Inverse Universe

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



50, 53.759, 275.654



60, 62.621, 276.282



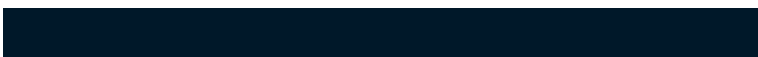
27, 112.186, 305.348



42, 3.567, 247.654



40, 44.832, 274.850



7, 14.556, 263.377



# Previews

## White Background



This preview shows how the CIELCh color 53, 76.895, 54.266 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, 76.895, 54.266 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, 76.895, 54.266

## Background



This preview shows how black text looks on a background with the CIELCh color 53, 76.895, 54.266.



This preview shows how white text looks on a background with the CIELCh color 53, 76.895, 54.266.

# 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, 76.895, 54.266

### Protanopia

53, 54.597, 95.780

### Deuteranopia

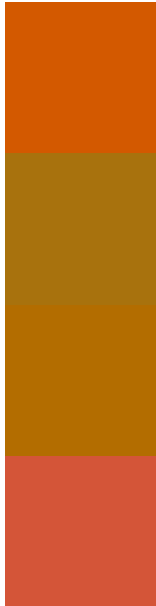
53, 59.517, 83.789



**Tritanopia**  
53, 56.914, 25.121



# Trichromacy



**Original Color**  
53, 76.895, 54.266

**Protanomaly**  
52, 58.024, 76.224

**Deuteranomaly**  
52, 63.406, 70.304

**Tritanomaly**  
53, 64.036, 40.846

# Monochromacy



**Original Color**  
53, 76.895, 54.266

**Achromatopsia**  
49, 0.007, 296.813

**Achromatomaly**  
49, 28.756, 60.654

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 53, 76.895, 54.266 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, 89, 0)` looks like.

```
.text, #text, p{  
    color:rgb(211, 89, 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, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 89, 0) }
```

## Border

The CSS property to change the border of an element to CIELCh 53, 76.895, 54.266 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, 89, 0) }
```

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

```
.border{ border-color:rgb(211, 89, 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, 89, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(211, 89, 0)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 53, 76.895, 54.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 89, 0) }
```

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

```
.background{ background-color: rgb(211, 89,  
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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