

Converting Colors

CIELCh(53, 98.766, 42.201)

Have a look what the booklet for
CIELCh(53, 98.766, 42.201) contains.

CIELCh(53, 98.634, 42.010)	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(53, 98.634, 42.010)

Conversions

Conversions Part 1

Format	Color
Hex	F62700
RGB	246, 39, 0
RGB Percent	96%, 15%, 0%
CMY	0.0353, 0.8469, 1.0000
CMYK	0.00, 0.84, 1.00, 0.04
HSL	10°, 100%, 48%
HSV	10°, 100%, 96%
XYZ	38.7348, 21.0462, 2.0210
YIQ	96.4470, 135.8910, 31.7550

Conversions

Conversions Part 2

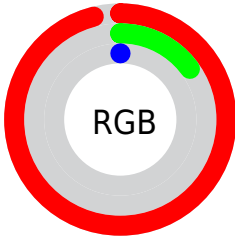
Format	Color
RYB	246, 46, 0
Decimal	16131840
CIELab	53.00, 73.29, 66.01
CIElCh	53, 98.634, 42.010
Yxy	21.0462, 0.6268, 0.3405
Android (android.graphics.Color)	4294321920 (0xFFFF62700)
YUV	96.4470, -47.5484, 131.1580
Hunter-Lab	45.8761, 70.4307, 29.5014

Details

The CIELCh color **53, 98.634, 42.010** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **77, 42.371, 227.148**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 76.082, 44.922**, and **37, 80.154, 39.975** is the 20% darker color. If you saturate the color by 10%, you get **53, 98.633, 42.012**, and if you desaturate by 10%, it is **55, 91.203, 41.545**.

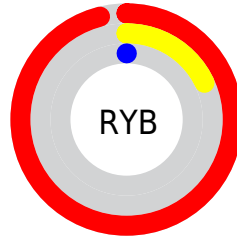
Distribution



Red (96%)

Green (15%)

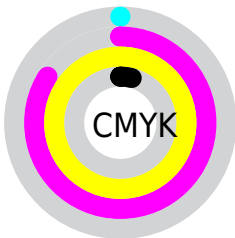
Blue (0%)



Red (96%)

Yellow (18%)

Blue (0%)

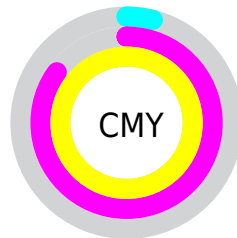


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (85%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 98.634, 42.010 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, 98.634, 42.010 by changing the saturation by 10% instead.

 53, 98.634, 42.010

 53, 98.634, 42.010

 100, 98.634,
42.010

 43, 98.634, 42.010

 73, 98.634, 42.010

 33, 98.634, 42.010

 83, 98.634, 42.010

 23, 98.634, 42.010

 93, 98.634, 42.010

 13, 98.634, 42.010

 3, 98.634, 42.010

 0, 98.634, 42.010

 53, 98.634, 42.010

 53, 98.634, 42.010

 53, 98.633, 42.012

 55, 91.203, 41.545

 58, 80.830, 40.278

61, 69.228, 38.777

65, 57.518, 37.452

70, 46.199, 36.420

75, 35.507, 35.679

80, 25.540, 35.188

86, 16.320, 34.891

91, 7.822, 34.723

Harmonies

Complementary

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



53, 98.634, 42.010



77, 42.371, 227.148

Rectangle

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



53, 98.634, 42.010



53, 98.634, 92.010



53, 98.634, 222.010



53, 98.634, 272.010

Sweetspot

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



53, 98.630, 42.012



83, 26.304, 35.190



56, 99.815, 335.411



42, 18.268, 35.371



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, 98.630, 42.012



55, 101.406, 41.976



73, 80.283, 73.482



48, 4.420, 34.716



40, 79.612, 42.352



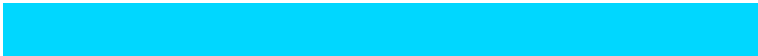
10, 28.076, 33.513

Inverse Universe

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



77, 42.371, 227.148



79, 43.539, 227.216



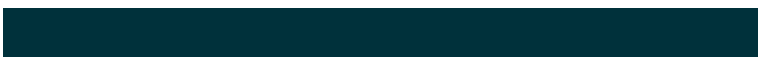
43, 94.426, 296.315



50, 4.158, 214.973



59, 34.373, 226.551



18, 15.345, 222.031

Previews

White Background



This preview shows how the CIELCh color 53, 98.634, 42.010 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, 98.634, 42.010 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, 98.634, 42.010

Background



This preview shows how black text looks on a background with the CIELCh color 53, 98.634, 42.010.



This preview shows how white text looks on a background with the CIELCh color 53, 98.634, 42.010.

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, 98.634, 42.010

Protanopia

53, 51.220, 95.148

Deuteranopia

53, 59.339, 84.222



Tritanopia
53, 92.387, 36.712

Trichromacy



Original Color
53, 98.634, 42.010

Protanomaly
49, 61.050, 60.832

Deuteranomaly
50, 69.332, 58.598

Tritanomaly
53, 95.089, 39.209

Monochromacy



Original Color
53, 98.634, 42.010

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 38.171, 36.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 98.634, 42.010 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(246, 39, 0)` looks like.

```
.text, #text, p{  
    color:rgb(246, 39, 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(246, 39, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 39, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 98.634, 42.010 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(246, 39, 0) }
```

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

```
.border{ border-color:rgb(246, 39, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 39, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 39, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 39, 0);  
box-shadow:4px 4px 4px 4px rgb(246, 39, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 98.634, 42.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 39, 0) }
```

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

```
.background{ background-color: rgb(246, 39,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor