

Converting Colors

CIELCh(53, 102.066, 40.908)

Have a look what the booklet for
CIELCh(53, 102.066, 40.908)
contains.

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Color

CIELCh(53, 101.999, 40.807)

Conversions

Conversions Part 1

Format	Color
Hex	FB1600
RGB	251, 22, 0
RGB Percent	98%, 9%, 0%
CMY	0.0168, 0.9119, 1.0000
CMYK	0.00, 0.91, 1.00, 0.02
HSL	5°, 100%, 49%
HSV	5°, 100%, 98%
XYZ	39.9757, 21.0462, 1.9479
YIQ	87.9630, 143.5460, 41.7060

Conversions

Conversions Part 2

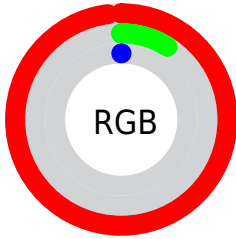
Format	Color
RYB	251, 24, 0
Decimal	16455168
CIELab	53.00, 77.20, 66.66
CIELCh	53, 101.999, 40.807
Yxy	21.0462, 0.6348, 0.3342
Android (android.graphics.Color)	4294645248 (0xFFFB1600)
YUV	87.9630, -43.3658, 142.9834
Hunter-Lab	45.8761, 75.2586, 29.5958

Details

The CIELCh color **53, 101.999, 40.807** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **83, 44.374, 212.450**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 77.285, 42.994**, and **38, 81.836, 39.996** is the 20% darker color. If you saturate the color by 10%, you get **53, 101.954, 40.780**, and if you desaturate by 10%, it is **54, 95.093, 39.455**.

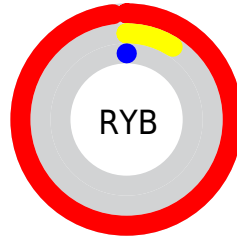
Distribution



Red (98%)

Green (9%)

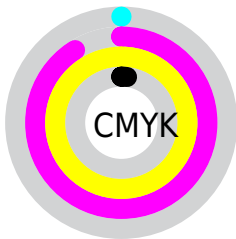
Blue (0%)



Red (98%)

Yellow (9%)

Blue (0%)

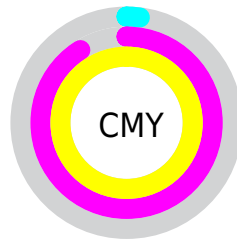


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (91%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 101.999, 40.807 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, 101.999, 40.807 by changing the saturation by 10% instead.


 53, 101.999,
40.807


 53, 101.999,
40.807


 100, 101.999,
40.807


 43, 101.999,
40.807


 73, 101.999,
40.807

 33, 101.999,
40.807

 83, 101.999,
40.807

 23, 101.999,
40.807

 93, 101.999,
40.807

 13, 101.999,
40.807

 3, 101.999, 40.807

 0, 101.999, 40.807

■ 53, 101.999,
40.807

■ 53, 101.999,
40.807

■ 53, 101.954,
40.780

■ 54, 95.093, 39.455

■ 57, 84.861, 37.240

■ 60, 73.135, 34.863

■ 64, 61.087, 32.794

■ 69, 49.266, 31.147

■ 75, 37.970, 29.896

■ 80, 27.359, 28.972

■ 86, 17.499, 28.301

■ 92, 8.392, 27.800

Harmonies

Complementary

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



53, 101.999, 40.807



83, 44.374, 212.450

Rectangle

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



53, 101.999, 40.807



53, 101.999, 90.807



53, 101.999, 220.807



53, 101.999, 270.807

Sweetspot

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



53, 101.954, 40.780



81, 27.740, 28.974



58, 106.740, 331.929



41, 19.253, 29.330



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, 101.954, 40.780



54, 103.288, 40.770



70, 82.131, 67.145



49, 4.748, 27.777



40, 82.073, 40.997



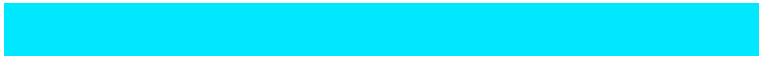
10, 30.439, 30.714

Inverse Universe

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



83, 44.374, 212.450



84, 44.944, 212.466



48, 85.407, 292.018



51, 4.462, 207.445



64, 35.890, 212.142



21, 16.407, 209.945

Previews

White Background



This preview shows how the CIELCh color 53, 101.999, 40.807 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, 101.999, 40.807 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, 101.999, 40.807

Background



This preview shows how black text looks on a background with the CIELCh color 53, 101.999, 40.807.



This preview shows how white text looks on a background with the CIELCh color 53, 101.999, 40.807.

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, 102.081, 40.755

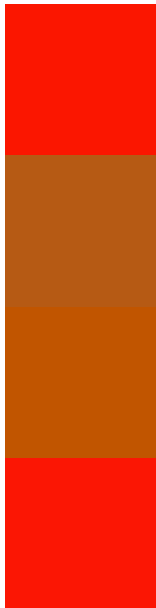
Protanopia
53, 50.823, 95.721

Deuteranopia
53, 59.339, 84.222



Tritanopia
53, 101.155, 40.107

Trichromacy



Original Color
53, 102.081, 40.755

Protanomaly
49, 62.169, 57.650

Deuteranomaly
49, 71.116, 55.830

Tritanomaly
53, 101.456, 40.320

Monochromacy



Original Color
53, 102.081, 40.755

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 40.822, 32.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 101.999, 40.807 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(251, 22, 0)` looks like.

```
.text, #text, p{  
    color:rgb(251, 22, 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(251, 22, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 22, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 101.999, 40.807 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(251, 22, 0) }
```

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

```
.border{ border-color:rgb(251, 22, 0) }
```

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

Here you see how a box with a 4 pixel rgb(251, 22, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 22, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 22, 0);  
box-shadow:4px 4px 4px 4px rgb(251, 22, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 101.999, 40.807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 22, 0) }
```

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

```
.background{ background-color: rgb(251, 22,  
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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