

Converting Colors

CIELCh(53, 95.987, 43.099)

Have a look what the booklet for
CIELCh(53, 95.987, 43.099) contains.

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Color

CIELCh(53, 95.976, 43.051)

Conversions

Conversions Part 1

Format	Color
Hex	F23000
RGB	242, 48, 0
RGB Percent	95%, 19%, 0%
CMY	0.0502, 0.8108, 0.9992
CMYK	0.00, 0.80, 1.00, 0.05
HSL	12°, 100%, 48%
HSV	12°, 100%, 95%
XYZ	37.7546, 21.0462, 2.0780
YIQ	100.5340, 131.0320, 26.2000

Conversions

Conversions Part 2

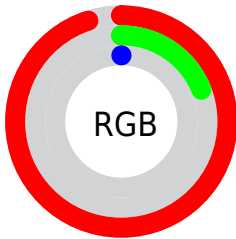
Format	Color
RYB	242, 60, 0
Decimal	15872000
CIELab	53.00, 70.13, 65.52
CIELCh	53, 95.976, 43.051
Yxy	21.0462, 0.6202, 0.3457
Android (android.graphics.Color)	4294062080 (0xFFFF23000)
YUV	100.5340, -49.5633, 124.0657
Hunter-Lab	45.8761, 66.6168, 29.4276

Details

The CIELCh color **53, 95.976, 43.051** 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 **73, 42.290, 235.956**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 74.812, 46.362**, and **36, 79.131, 39.953** is the 20% darker color. If you saturate the color by 10%, you get **53, 96.030, 43.056**, and if you desaturate by 10%, it is **55, 88.393, 43.079**.

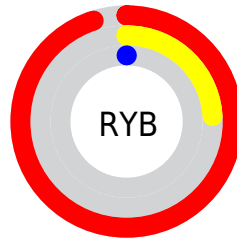
Distribution



Red (95%)

Green (19%)

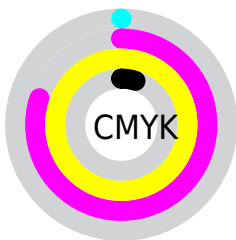
Blue (0%)



Red (95%)

Yellow (24%)

Blue (0%)

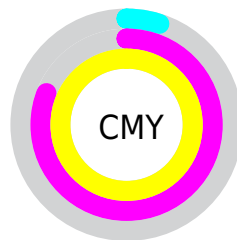


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (81%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 95.976, 43.051 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, 95.976, 43.051 by changing the saturation by 10% instead.

■ 53, 95.976, 43.051

■ 53, 95.976, 43.051

■ 100, 95.976,
43.051

■ 43, 95.976, 43.051

■ 73, 95.976, 43.051

■ 33, 95.976, 43.051

■ 83, 95.976, 43.051

■ 23, 95.976, 43.051

■ 93, 95.976, 43.051

■ 13, 95.976, 43.051

■ 3, 95.976, 43.051

■ 0, 95.976, 43.051

■ 53, 95.976, 43.051

■ 53, 95.976, 43.051

■ 53, 96.030, 43.056

■ 55, 88.393, 43.079

■ 58, 78.123, 42.339

61, 66.755, 41.326

65, 55.357, 40.422

70, 44.399, 39.747

75, 34.088, 39.308

80, 24.499, 39.078

85, 15.638, 39.011

90, 7.469, 39.049

Harmonies

Complementary

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



53, 95.976, 43.051



73, 42.290, 235.956

Rectangle

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



53, 95.976, 43.051



53, 95.976, 93.051



53, 95.976, 223.051



53, 95.976, 273.051

Sweetspot

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



53, 95.972, 43.053



83, 25.631, 39.080



55, 96.141, 337.334



42, 17.801, 39.156



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, 95.972, 43.053



56, 99.937, 42.992



74, 79.426, 76.727



47, 4.235, 39.051



40, 77.572, 43.469



10, 26.228, 34.971

Inverse Universe

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



73, 42.290, 235.956



76, 43.992, 236.109



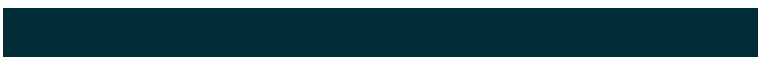
41, 98.181, 298.076



49, 3.991, 219.668



56, 34.304, 235.232



16, 14.856, 229.203

Previews

White Background



This preview shows how the CIELCh color 53, 95.976, 43.051 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, 95.976, 43.051 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, 95.976, 43.051

Background



This preview shows how black text looks on a background with the CIELCh color 53, 95.976, 43.051.



This preview shows how white text looks on a background with the CIELCh color 53, 95.976, 43.051.

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, 95.976, 43.051

Protanopia

53, 51.564, 95.159

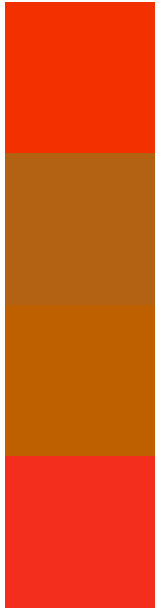
Deuteranopia

53, 59.339, 84.222



Tritanopia
53, 87.348, 34.735

Trichromacy



Original Color
53, 95.976, 43.051

Protanomaly
50, 60.383, 62.687

Deuteranomaly
51, 68.351, 60.512

Tritanomaly
53, 91.331, 38.771

Monochromacy



Original Color
53, 95.976, 43.051

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 35.971, 40.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 95.976, 43.051 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(242, 48, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 48, 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(242, 48, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 48, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 95.976, 43.051 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(242, 48, 0) }
```

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

```
.border{ border-color:rgb(242, 48, 0) }
```

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

Here you see how a box with a 4 pixel rgb(242, 48, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 48, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 48, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 48, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 95.976, 43.051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 48, 0) }
```

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

```
.background{ background-color: rgb(242, 48,  
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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