

Converting Colors

CIELCh(53, 97.159, 40.420)

Have a look what the booklet for
CIELCh(53, 97.159, 40.420) contains.

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Color

CIELCh(53, 97.256, 40.416)

Conversions

Conversions Part 1

Format	Color
Hex	F7250D
RGB	247, 37, 13
RGB Percent	97%, 15%, 5%
CMY	0.0325, 0.8564, 0.9502
CMYK	0.00, 0.85, 0.95, 0.03
HSL	6°, 93%, 51%
HSV	6°, 95%, 97%
XYZ	38.9732, 21.0462, 2.3789
YIQ	97.0540, 132.8640, 37.0560

Conversions

Conversions Part 2

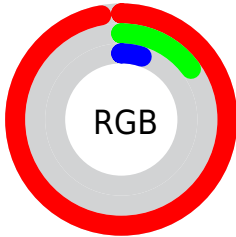
Format	Color
RYB	247, 40, 13
Decimal	16196877
CIELab	53.00, 74.05, 63.05
CIELCh	53, 97.256, 40.416
Yxy	21.0462, 0.6246, 0.3373
Android (android.graphics.Color)	4294386957 (0xFFFF7250D)
YUV	97.0540, -41.4386, 131.5026
Hunter-Lab	45.8761, 71.3581, 29.0389

Details

The CIELCh color **53, 97.256, 40.416** 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 **82, 43.298, 214.051**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 73.944, 42.935**, and **37, 80.493, 39.980** is the 20% darker color. If you saturate the color by 10%, you get **52, 100.425, 40.965**, and if you desaturate by 10%, it is **55, 88.504, 38.794**.

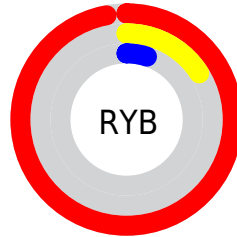
Distribution



Red (97%)

Green (15%)

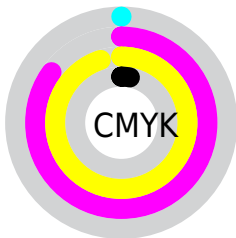
Blue (5%)



Red (97%)

Yellow (16%)

Blue (5%)

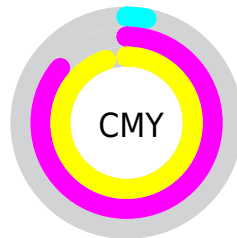


Cyan (0%)

Magenta (85%)

Yellow (95%)

Black (3%)



Cyan (3%)

Magenta (86%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 97.256, 40.416 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, 97.256, 40.416 by changing the saturation by 10% instead.

 53, 97.256, 40.416

 53, 97.256, 40.416

 100, 97.256,
40.416

 43, 97.256, 40.416

 73, 97.256, 40.416

 33, 97.256, 40.416

 83, 97.256, 40.416

 23, 97.256, 40.416

 93, 97.256, 40.416


 13, 97.256, 40.416

 3, 97.256, 40.416

 0, 97.256, 40.416

 53, 97.256, 40.416

 53, 97.256, 40.416

 52, 100.425,
40.965

 55, 88.504, 38.794

 58, 77.376, 36.574

62, 65.538, 34.478

66, 53.750, 32.751

71, 42.392, 31.418

77, 31.667, 30.430

82, 21.669, 29.716

88, 12.419, 29.207

94, 3.892, 28.770

Harmonies

Complementary

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



53, 97.256, 40.416



82, 43.298, 214.051

Rectangle

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



53, 97.256, 40.416



53, 97.256, 90.416



53, 97.256, 220.416



53, 97.256, 270.416

Sweetspot

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



53, 97.252, 40.418



83, 25.413, 29.919



57, 103.575, 332.499



42, 17.860, 30.230



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, 97.252, 40.418



54, 103.010, 40.942



71, 79.157, 70.217



48, 4.618, 28.985



39, 80.983, 41.206



9, 28.988, 30.458

Inverse Universe

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



82, 43.298, 214.051



84, 44.496, 215.039



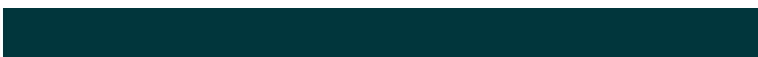
48, 82.040, 291.158



50, 4.341, 208.757



63, 35.175, 214.640



19, 15.810, 211.948

Previews

White Background



This preview shows how the CIELCh color 53, 97.256, 40.416 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, 97.256, 40.416 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, 97.256, 40.416

Background



This preview shows how black text looks on a background with the CIELCh color 53, 97.256, 40.416.



This preview shows how white text looks on a background with the CIELCh color 53, 97.256, 40.416.

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, 97.256, 40.416

Protanopia

53, 49.770, 95.096

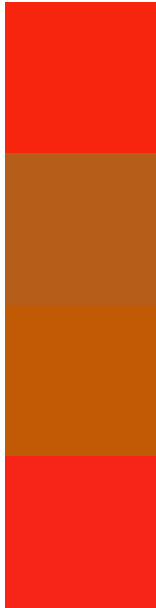
Deuteranopia

53, 59.339, 84.222



Tritanopia
53, 93.727, 37.208

Trichromacy



Original Color
53, 97.256, 40.416

Protanomaly
49, 59.576, 58.786

Deuteranomaly
50, 68.932, 57.441

Tritanomaly
53, 95.247, 38.678

Monochromacy



Original Color
53, 97.256, 40.416

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 36.848, 32.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 97.256, 40.416 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(247, 37, 13)` looks like.

```
.text, #text, p{  
    color:rgb(247, 37, 13)  
}
```

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(247, 37, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 37, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 97.256, 40.416 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(247, 37, 13) }
```

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

```
.border{ border-color:rgb(247, 37, 13) }
```

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

Here you see how a box with a 4 pixel rgb(247, 37, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 37, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 37, 13);  
box-shadow:4px 4px 4px 4px rgb(247, 37,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 97.256, 40.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 37, 13) }
```

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

```
.background{ background-color: rgb(247, 37,  
13) }
```

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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