

Converting Colors

CIELCh(53, 99.556, 41.663)

Have a look what the booklet for
CIELCh(53, 99.556, 41.663) contains.

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Color

CIELCh(53, 99.472, 41.647)

Conversions

Conversions Part 1

Format	Color
Hex	F72300
RGB	247, 35, 0
RGB Percent	97%, 14%, 0%
CMY	0.0304, 0.8612, 0.9990
CMYK	0.00, 0.86, 1.00, 0.03
HSL	9°, 100%, 49%
HSV	9°, 100%, 97%
XYZ	39.0627, 21.0462, 2.0105
YIQ	94.3980, 137.5870, 34.0590

Conversions

Conversions Part 2

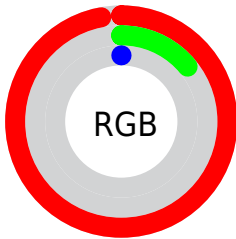
Format	Color
RYB	247, 41, 0
Decimal	16196352
CIELab	53.00, 74.33, 66.10
CIELCh	53, 99.472, 41.647
Yxy	21.0462, 0.6288, 0.3388
Android (android.graphics.Color)	4294386432 (0xFFFF72300)
YUV	94.3980, -46.5382, 133.8320
Hunter-Lab	45.8761, 71.7064, 29.5149

Details

The CIELCh color **53, 99.472, 41.647** 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 **78, 42.621, 223.536**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 76.279, 44.591**, and **37, 80.493, 39.980** is the 20% darker color. If you saturate the color by 10%, you get **53, 99.534, 41.659**, and if you desaturate by 10%, it is **55, 92.115, 40.977**.

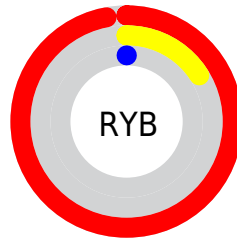
Distribution



Red (97%)

Green (14%)

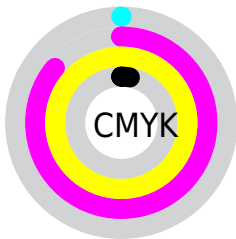
Blue (0%)



Red (97%)

Yellow (16%)

Blue (0%)

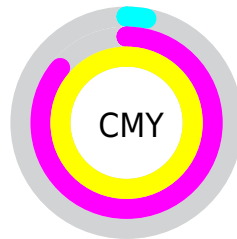


Cyan (0%)

Magenta (86%)

Yellow (100%)

Black (3%)



Cyan (3%)

Magenta (86%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 99.472, 41.647 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, 99.472, 41.647 by changing the saturation by 10% instead.

 53, 99.472, 41.647

 53, 99.472, 41.647

 100, 99.472,
41.647

 43, 99.472, 41.647

 73, 99.472, 41.647

 33, 99.472, 41.647

 83, 99.472, 41.647

 23, 99.472, 41.647

 93, 99.472, 41.647

 13, 99.472, 41.647

 3, 99.472, 41.647

 0, 99.472, 41.647

 53, 99.472, 41.647

 53, 99.472, 41.647

 53, 99.534, 41.659

 55, 92.115, 40.977

 58, 81.716, 39.482

61, 70.049, 37.778

65, 58.239, 36.281

70, 46.796, 35.107

75, 35.964, 34.247

80, 25.854, 33.653

86, 16.495, 33.267

92, 7.868, 33.018

Harmonies

Complementary

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



53, 99.472, 41.647



78, 42.621, 223.536

Rectangle

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



53, 99.472, 41.647



53, 99.472, 91.647



53, 99.472, 221.647



53, 99.472, 271.647

Sweetspot

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



53, 99.468, 41.649



82, 26.613, 33.660



57, 101.508, 334.487



41, 18.481, 33.884



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, 99.468, 41.649



55, 101.929, 41.631



72, 80.623, 71.905



48, 4.472, 33.008



40, 80.052, 41.974



10, 28.325, 32.628

Inverse Universe

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



78, 42.621, 223.536



81, 43.630, 223.614



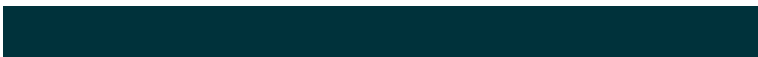
44, 92.133, 295.300



50, 4.206, 213.122



60, 34.465, 223.025



18, 15.434, 219.035

Previews

White Background



This preview shows how the CIELCh color 53, 99.472, 41.647 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, 99.472, 41.647 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, 99.472, 41.647

Background



This preview shows how black text looks on a background with the CIELCh color 53, 99.472, 41.647.



This preview shows how white text looks on a background with the CIELCh color 53, 99.472, 41.647.

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, 99.472, 41.647

Protanopia

53, 51.180, 95.729

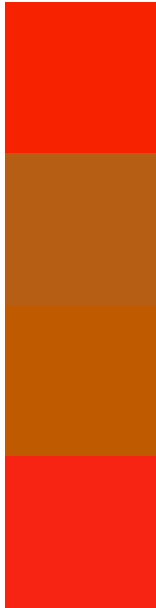
Deuteranopia

53, 59.339, 84.222



Tritanopia
53, 94.327, 37.537

Trichromacy



Original Color
53, 99.472, 41.647

Protanomaly
49, 61.270, 59.897

Deuteranomaly
50, 69.857, 57.981

Tritanomaly
53, 96.415, 39.420

Monochromacy



Original Color
53, 99.472, 41.647

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 38.262, 35.409

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 99.472, 41.647 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, 35, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 35, 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(247, 35, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 35, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 99.472, 41.647 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, 35, 0) }
```

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

```
.border{ border-color:rgb(247, 35, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 35, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 35, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 35, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 35, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 99.472, 41.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 35, 0) }
```

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

```
.background{ background-color: rgb(247, 35,  
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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