

Converting Colors

CIELCh(52, 101.181, 40.547)

Have a look what the booklet for
CIELCh(52, 101.181, 40.547)
contains.

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Color

CIELCh(52, 101.181, 40.547)

Conversions

Conversions Part 1

Format	Color
Hex	F71100
RGB	247, 17, 0
RGB Percent	97%, 7%, 0%
CMY	0.0318, 0.9343, 1.0000
CMYK	0.00, 0.93, 1.00, 0.03
HSL	4°, 100%, 48%
HSV	4°, 100%, 97%
XYZ	38.5116, 20.1443, 1.8554
YIQ	83.8320, 142.5370, 43.4730

Conversions

Conversions Part 2

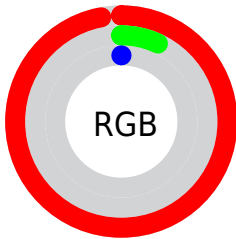
Format	Color
RYB	247, 18, 0
Decimal	16191744
CIELab	52.00, 76.88, 65.77
CIElCh	52, 101.181, 40.547
Yxy	20.1443, 0.6364, 0.3329
Android (android.graphics.Color)	4294381824 (0xFFFF71100)
YUV	83.8320, -41.3292, 143.0983
Hunter-Lab	44.8824, 74.6187, 28.9667

Details

The CIELCh color **52, 101.181, 40.547** 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 **84, 44.790, 208.176**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 78.199, 42.357**, and **37, 80.493, 39.980** is the 20% darker color. If you saturate the color by 10%, you get **52, 101.160, 40.537**, and if you desaturate by 10%, it is **53, 94.583, 38.918**.

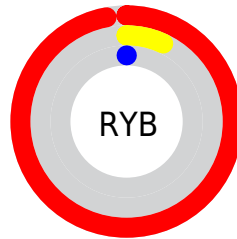
Distribution



Red (97%)

Green (7%)

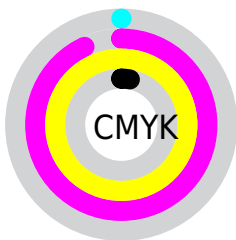
Blue (0%)



Red (97%)

Yellow (7%)

Blue (0%)

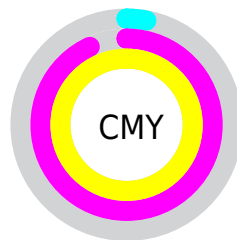


Cyan (0%)

Magenta (93%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (93%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 101.181, 40.547 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 52, 101.181, 40.547 by changing the saturation by 10% instead.


 52, 101.181,
40.547


 52, 101.181,
40.547


 100, 101.181,
40.547


 42, 101.181,
40.547


 72, 101.181,
40.547

 32, 101.181,
40.547

 82, 101.181,
40.547

 22, 101.181,
40.547

 92, 101.181,
40.547

 12, 101.181,
40.547

 2, 101.181, 40.547

 0, 101.181, 40.547

■ 52, 101.181,
40.547

■ 52, 101.181,
40.547

■ 52, 101.160,
40.537

■ 53, 94.583, 38.918

■ 56, 84.617, 36.400

■ 59, 73.107, 33.745

■ 63, 61.199, 31.446

■ 68, 49.444, 29.612

■ 73, 38.157, 28.210

■ 79, 27.519, 27.159

■ 85, 17.612, 26.379

■ 91, 8.450, 25.783

Harmonies

Complementary

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



52, 101.181, 40.547



84, 44.790, 208.176

Rectangle

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



52, 101.181, 40.547



52, 101.181, 90.547



52, 101.181, 220.547



52, 101.181, 270.547

Sweetspot

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



52, 101.160, 40.537



81, 28.256, 27.164



58, 106.922, 331.131



41, 19.604, 27.570



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52, 101.160, 40.537



54, 103.698, 40.520



68, 81.513, 65.649



48, 4.759, 25.754



39, 81.601, 40.719



9, 29.614, 28.614

Inverse Universe

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



84, 44.790, 208.176



86, 45.896, 208.199



49, 81.767, 290.732



50, 4.474, 205.255



65, 36.280, 207.953



20, 16.289, 206.294

Previews

White Background



This preview shows how the CIELCh color 52, 101.181, 40.547 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 52, 101.181, 40.547 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 52, 101.181, 40.547

Background



This preview shows how black text looks on a background with the CIELCh color 52, 101.181, 40.547.



This preview shows how white text looks on a background with the CIELCh color 52, 101.181, 40.547.

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

52, 101.181, 40.547

Protanopia

52, 49.632, 95.538

Deuteranopia

52, 58.737, 83.968



Tritanopia
52, 100.482, 40.791

Trichromacy



Original Color
52, 101.181, 40.547

Protanomaly
47, 61.626, 56.369

Deuteranomaly
48, 70.588, 55.235

Tritanomaly
52, 100.643, 40.689

Monochromacy



Original Color
52, 101.181, 40.547

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 40.952, 32.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 101.181, 40.547 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, 17, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 17, 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, 17, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 17, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 101.181, 40.547 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, 17, 0) }
```

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

```
.border{ border-color:rgb(247, 17, 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, 17, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 17, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 17, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 17, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 101.181, 40.547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 17, 0) }
```

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

```
.background{ background-color: rgb(247, 17,  
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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