

Converting Colors

CIELCh(52, 98.233, 40.962)

Have a look what the booklet for
CIELCh(52, 98.233, 40.962) contains.

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Color

CIELCh(52, 98.314, 40.927)

Conversions

Conversions Part 1

Format	Color
Hex	F41F04
RGB	244, 31, 4
RGB Percent	96%, 12%, 2%
CMY	0.0443, 0.8801, 0.9854
CMYK	0.00, 0.87, 0.98, 0.04
HSL	7°, 97%, 49%
HSV	7°, 98%, 96%
XYZ	37.7042, 20.1443, 2.0075
YIQ	91.6090, 135.6150, 36.7590

Conversions

Conversions Part 2

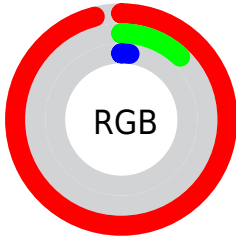
Format	Color
RYB	244, 34, 4
Decimal	15998724
CIELab	52.00, 74.28, 64.41
CIElCh	52, 98.314, 40.927
Yxy	20.1443, 0.6299, 0.3365
Android (android.graphics.Color)	4294188804 (0xFFFF41F04)
YUV	91.6090, -43.1912, 133.6469
Hunter-Lab	44.8824, 71.4074, 28.7657

Details

The CIELCh color **52, 98.314, 40.927** 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 **80, 42.688, 216.695**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 76.276, 43.066**, and **37, 79.473, 39.961** is the 20% darker color. If you saturate the color by 10%, you get **52, 99.257, 41.122**, and if you desaturate by 10%, it is **54, 90.841, 39.791**.

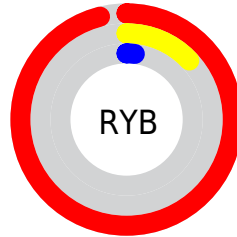
Distribution



Red (96%)

Green (12%)

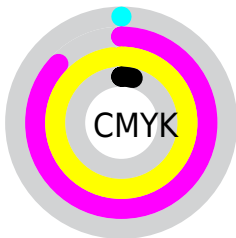
Blue (2%)



Red (96%)

Yellow (13%)

Blue (2%)

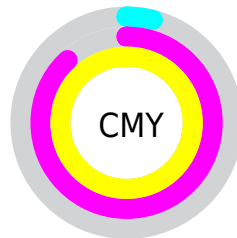


Cyan (0%)

Magenta (87%)

Yellow (98%)

Black (4%)



Cyan (4%)

Magenta (88%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 98.314, 40.927 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, 98.314, 40.927 by changing the saturation by 10% instead.

 52, 98.314, 40.927

 52, 98.314, 40.927

 100, 98.314,
40.927

 42, 98.314, 40.927

 72, 98.314, 40.927

 32, 98.314, 40.927

 82, 98.314, 40.927

 22, 98.314, 40.927

 92, 98.314, 40.927

 12, 98.314, 40.927

 2, 98.314, 40.927

 0, 98.314, 40.927

 52, 98.314, 40.927

 52, 98.314, 40.927

 52, 99.257, 41.122

 54, 90.841, 39.791

 56, 80.362, 37.804

60, 68.763, 35.740

64, 57.037, 33.973

69, 45.654, 32.586

74, 34.856, 31.551

79, 24.761, 30.805

85, 15.407, 30.282

91, 6.779, 29.898

Harmonies

Complementary

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



52, 98.314, 40.927



80, 42.688, 216.695

Rectangle

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



52, 98.314, 40.927



52, 98.314, 90.927



52, 98.314, 220.927



52, 98.314, 270.927

Sweetspot

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



52, 98.310, 40.929



82, 27.241, 30.908



56, 102.961, 332.672



41, 18.912, 31.208



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, 98.310, 40.929



54, 102.776, 41.088



70, 79.584, 69.181



48, 4.580, 29.935



40, 80.778, 41.372



9, 28.821, 30.982

Inverse Universe

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



80, 42.688, 216.695



83, 44.206, 217.066



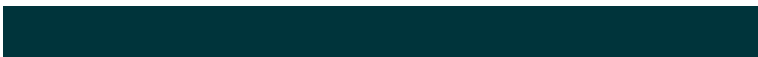
46, 84.595, 292.563



50, 4.306, 209.788



62, 34.943, 216.621



19, 15.700, 213.620

Previews

White Background



This preview shows how the CIELCh color 52, 98.314, 40.927 looks on a white background.

Color Contrast Check

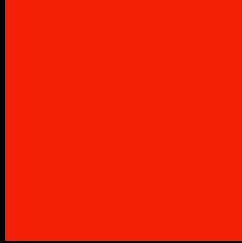
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.314, 40.927 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, 98.314, 40.927

Background



This preview shows how black text looks on a background with the CIELCh color 52, 98.314, 40.927.



This preview shows how white text looks on a background with the CIELCh color 52, 98.314, 40.927.

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, 98.314, 40.927

Protanopia

52, 49.998, 95.548

Deuteranopia

52, 58.560, 84.408



Tritanopia
52, 95.208, 38.238

Trichromacy



Original Color
52, 98.314, 40.927

Protanomaly
48, 60.273, 58.935

Deuteranomaly
49, 69.106, 57.261

Tritanomaly
52, 96.524, 39.444

Monochromacy



Original Color
52, 98.314, 40.927

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 38.563, 33.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 98.314, 40.927 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(244, 31, 4)` looks like.

```
.text, #text, p{  
    color:rgb(244, 31, 4)  
}
```

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(244, 31, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 31, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 98.314, 40.927 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(244, 31, 4) }
```

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

```
.border{ border-color:rgb(244, 31, 4) }
```

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

Here you see how a box with a 4 pixel rgb(244, 31, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 31, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 31, 4);  
box-shadow:4px 4px 4px 4px rgb(244, 31, 4)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 98.314, 40.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 31, 4) }
```

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

```
.background{ background-color: rgb(244, 31,  
4) }
```

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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