

Converting Colors

CIELCh(52, 98.031, 41.641)

Have a look what the booklet for
CIELCh(52, 98.031, 41.641) contains.

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Color

CIELCh(52, 98.281, 41.627)

Conversions

Conversions Part 1

Format	Color
Hex	F32200
RGB	243, 34, 0
RGB Percent	95%, 13%, 0%
CMY	0.0479, 0.8678, 1.0000
CMYK	0.00, 0.86, 1.00, 0.05
HSL	8°, 100%, 48%
HSV	8°, 100%, 95%
XYZ	37.4532, 20.1443, 1.9088
YIQ	92.6150, 135.4780, 33.7340

Conversions

Conversions Part 2

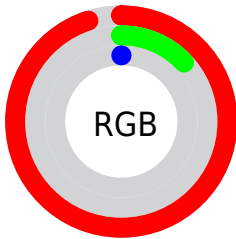
Format	Color
RYB	243, 40, 0
Decimal	15933952
CIELab	52.00, 73.46, 65.29
CIELCh	52, 98.281, 41.627
Yxy	20.1443, 0.6294, 0.3385
Android (android.graphics.Color)	4294124032 (0xFFFF32200)
YUV	92.6150, -45.6592, 131.8876
Hunter-Lab	44.8824, 70.4092, 28.8962

Details

The CIELCh color **52, 98.281, 41.627** 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 **77, 42.080, 222.785**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 76.677, 43.942**, and **36, 79.131, 39.953** is the 20% darker color. If you saturate the color by 10%, you get **52, 98.246, 41.607**, and if you desaturate by 10%, it is **54, 90.990, 40.865**.

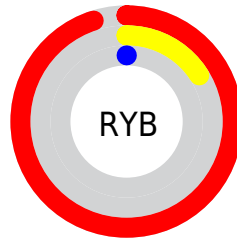
Distribution



Red (95%)

Green (13%)

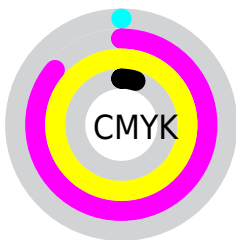
Blue (0%)



Red (95%)

Yellow (16%)

Blue (0%)

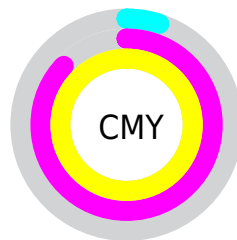


Cyan (0%)

Magenta (86%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (87%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 98.281, 41.627 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, 98.281, 41.627 by changing the saturation by 10% instead.

 52, 98.281, 41.627

 52, 98.281, 41.627

 100, 98.281,
41.627

 42, 98.281, 41.627

 72, 98.281, 41.627

 32, 98.281, 41.627

 82, 98.281, 41.627

 22, 98.281, 41.627

 92, 98.281, 41.627

 12, 98.281, 41.627

 2, 98.281, 41.627

 0, 98.281, 41.627

 52, 98.281, 41.627

 52, 98.281, 41.627

 52, 98.246, 41.607

 54, 90.990, 40.865

 56, 80.757, 39.326

60, 69.261, 37.580

64, 57.614, 36.048

69, 46.319, 34.843

74, 35.621, 33.957

79, 25.632, 33.340

84, 16.383, 32.934

90, 7.854, 32.668

Harmonies

Complementary

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



52, 98.281, 41.627



77, 42.080, 222.785

Rectangle

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



52, 98.281, 41.627



52, 98.281, 91.627



52, 98.281, 221.627



52, 98.281, 271.627

Sweetspot

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



52, 98.246, 41.607



82, 26.681, 33.344



56, 100.135, 334.486



41, 18.527, 33.576



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, 98.246, 41.607



55, 102.033, 41.563



71, 79.547, 71.912



48, 4.484, 32.655



40, 80.140, 41.900



10, 28.379, 32.443

Inverse Universe

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



77, 42.080, 222.785



81, 43.669, 222.865



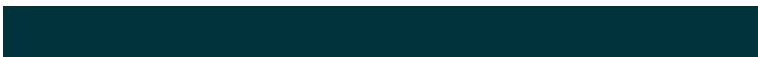
44, 90.874, 295.296



50, 4.216, 212.739



61, 34.499, 222.292



19, 15.458, 218.414

Previews

White Background



This preview shows how the CIELCh color 52, 98.281, 41.627 looks on a white background.

Color Contrast Check

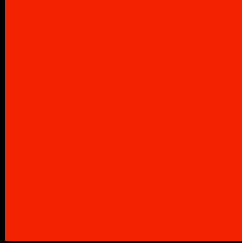
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.281, 41.627 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, 98.281, 41.627

Background



This preview shows how black text looks on a background with the CIELCh color 52, 98.281, 41.627.



This preview shows how white text looks on a background with the CIELCh color 52, 98.281, 41.627.

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, 98.281, 41.627

Protanopia

52, 50.356, 95.558

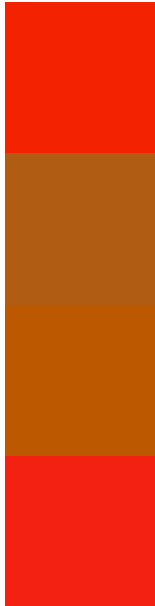
Deuteranopia

52, 58.560, 84.408



Tritanopia
52, 93.393, 37.496

Trichromacy



Original Color
52, 98.281, 41.627

Protanomaly
48, 60.316, 60.060

Deuteranomaly
49, 68.766, 57.989

Tritanomaly
52, 95.474, 39.387

Monochromacy



Original Color
52, 98.281, 41.627

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 37.988, 35.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 98.281, 41.627 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(243, 34, 0)` looks like.

```
.text, #text, p{  
    color:rgb(243, 34, 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(243, 34, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 34, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 98.281, 41.627 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(243, 34, 0) }
```

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

```
.border{ border-color:rgb(243, 34, 0) }
```

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

Here you see how a box with a 4 pixel rgb(243, 34, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 34, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 34, 0);  
box-shadow:4px 4px 4px 4px rgb(243, 34, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 98.281, 41.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 34, 0) }
```

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

```
.background{ background-color: rgb(243, 34,  
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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