

Converting Colors

CIELCh(52, 98.960, 40.309)

Have a look what the booklet for
CIELCh(52, 98.960, 40.309) contains.

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Color

CIELCh(52, 98.940, 40.289)

Conversions

Conversions Part 1

Format	Color
Hex	F51906
RGB	245, 25, 6
RGB Percent	96%, 10%, 2%
CMY	0.0389, 0.9012, 0.9761
CMYK	0.00, 0.90, 0.98, 0.04
HSL	5°, 95%, 49%
HSV	5°, 98%, 96%
XYZ	38.0718, 20.1443, 2.0565
YIQ	88.6140, 137.2190, 40.7310

Conversions

Conversions Part 2

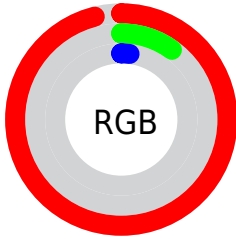
Format	Color
R_{YB}	245, 27, 6
Decimal	16062726
CIE Lab	52.00, 75.47, 63.98
CIE LCh	52, 98.940, 40.289
Yxy	20.1443, 0.6317, 0.3342
Android (android.graphics.Color)	4294252806 (0xFFFF51906)
YUV	88.6140, -40.7287, 137.1505
Hunter-Lab	44.8824, 72.8693, 28.7010

Details

The CIELCh color **52, 98.940, 40.289** 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 **82, 43.955, 210.179**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 76.388, 42.147**, and **37, 79.814, 39.968** is the 20% darker color. If you saturate the color by 10%, you get **52, 100.382, 40.675**, and if you desaturate by 10%, it is **54, 91.430, 38.673**.

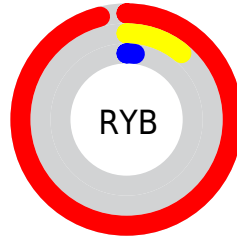
Distribution



Red (96%)

Green (10%)

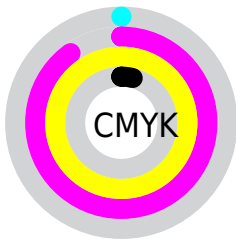
Blue (2%)



Red (96%)

Yellow (11%)

Blue (2%)

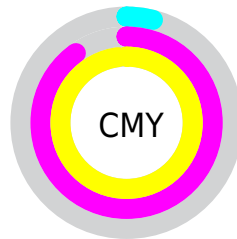


Cyan (0%)

Magenta (90%)

Yellow (98%)

Black (4%)



Cyan (4%)

Magenta (90%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 98.940, 40.289 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, 98.940, 40.289 by changing the saturation by 10% instead.

 52, 98.940, 40.289

 52, 98.940, 40.289

 100, 98.940,
40.289

 42, 98.940, 40.289

 72, 98.940, 40.289

 32, 98.940, 40.289

 82, 98.940, 40.289

 22, 98.940, 40.289

 92, 98.940, 40.289


 12, 98.940, 40.289

 2, 98.940, 40.289

 0, 98.940, 40.289

 52, 98.940, 40.289

 52, 98.940, 40.289

 52, 100.382,
40.675

 54, 91.430, 38.673

 56, 80.890, 36.210

60, 69.242, 33.770

64, 57.418, 31.710

69, 45.878, 30.092

74, 34.886, 28.867

80, 24.580, 27.960

86, 15.013, 27.294

92, 6.180, 26.772

Harmonies

Complementary

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



52, 98.940, 40.289



82, 43.955, 210.179

Rectangle

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



52, 98.940, 40.289



52, 98.940, 90.289



52, 98.940, 220.289



52, 98.940, 270.289

Sweetspot

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



52, 98.936, 40.291



82, 26.922, 28.083



57, 106.046, 331.050



41, 18.795, 28.454



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, 98.936, 40.291



54, 103.480, 40.653



68, 80.105, 66.383



48, 4.707, 26.873



39, 81.402, 40.874



9, 29.387, 29.264

Inverse Universe

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



82, 43.955, 210.179



85, 45.338, 210.553



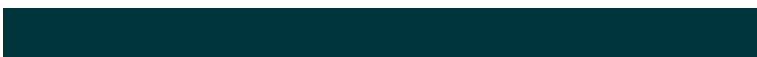
49, 79.110, 289.719



50, 4.425, 206.467



64, 35.841, 210.255



20, 16.104, 208.243

Previews

White Background



This preview shows how the CIELCh color 52, 98.940, 40.289 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, 98.940, 40.289 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, 98.940, 40.289

Background



This preview shows how black text looks on a background with the CIELCh color 52, 98.940, 40.289.



This preview shows how white text looks on a background with the CIELCh color 52, 98.940, 40.289.

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, 98.940, 40.289

Protanopia

52, 49.632, 95.538

Tritanopia

52, 97.532, 39.239

Trichromacy



Original Color
52, 98.940, 40.289

Protanomaly
48, 59.977, 57.515

Tritanomaly
52, 98.038, 39.623

Monochromacy



Original Color
52, 98.940, 40.289

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 39.006, 31.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 98.940, 40.289 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(245, 25, 6)` looks like.

```
.text, #text, p{  
    color:rgb(245, 25, 6)  
}
```

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(245, 25, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 25, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 98.940, 40.289 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(245, 25, 6) }
```

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

```
.border{ border-color:rgb(245, 25, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 25, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 25, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 25, 6);  
box-shadow:4px 4px 4px 4px rgb(245, 25, 6)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 98.940, 40.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 25, 6) }
```

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

```
.background{ background-color: rgb(245, 25,  
6) }
```

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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