

Converting Colors

CIELCh(51, 98.700, 40.681)

Have a look what the booklet for
CIELCh(51, 98.700, 40.681) contains.

CIELCh(51, 98.705, 40.708)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(51, 98.705, 40.708)

Conversions

Conversions Part 1

Format	Color
Hex	F11601
RGB	241, 22, 1
RGB Percent	95%, 9%, 0%
CMY	0.0550, 0.9138, 0.9962
CMYK	0.00, 0.91, 1.00, 0.06
HSL	5°, 99%, 47%
HSV	5°, 100%, 94%
XYZ	36.5558, 19.2686, 1.8205
YIQ	85.0870, 137.2650, 39.8970

Conversions

Conversions Part 2

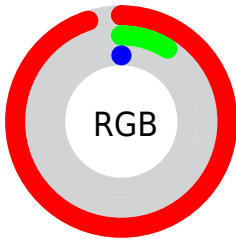
Format	Color
RYB	241, 24, 1
Decimal	15799809
CIELab	51.00, 74.82, 64.38
CIElCh	51, 98.705, 40.708
Yxy	19.2686, 0.6342, 0.3343
Android (android.graphics.Color)	4293989889 (0xFFFF11601)
YUV	85.0870, -41.4549, 136.7357
Hunter-Lab	43.8960, 71.8335, 28.2683

Details

The CIELCh color **51, 98.705, 40.708** 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, 43.139, 211.932**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 77.993, 42.657**, and **36, 78.442, 39.934** is the 20% darker color. If you saturate the color by 10%, you get **51, 98.942, 40.779**, and if you desaturate by 10%, it is **52, 91.831, 39.289**.

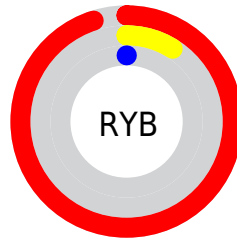
Distribution



Red (95%)

Green (9%)

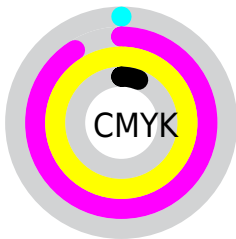
Blue (0%)



Red (95%)

Yellow (9%)

Blue (0%)

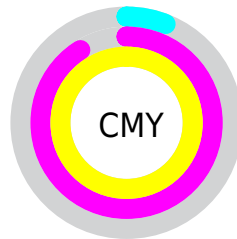


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (6%)



Cyan (6%)

Magenta (91%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 98.705, 40.708 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 51, 98.705, 40.708 by changing the saturation by 10% instead.

■ 51, 98.705, 40.708

■ 51, 98.705, 40.708

■ 100, 98.705,
40.708

■ 41, 98.705, 40.708

■ 71, 98.705, 40.708

■ 31, 98.705, 40.708

■ 81, 98.705, 40.708

■ 21, 98.705, 40.708

■ 91, 98.705, 40.708

■ 11, 98.705, 40.708

■ 1, 98.705, 40.708

■ 0, 98.705, 40.708

■ 51, 98.705, 40.708

■ 51, 98.705, 40.708

■ 51, 98.942, 40.779

■ 52, 91.831, 39.289

■ 55, 81.799, 37.018

■ 58, 70.410, 34.628

■ 62, 58.742, 32.563

■ 67, 47.308, 30.924

■ 72, 36.387, 29.679

■ 78, 26.131, 28.758

■ 83, 16.601, 28.087

■ 89, 7.798, 27.583

Harmonies

Complementary

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



51, 98.705, 40.708



80, 43.139, 211.932

Rectangle

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



51, 98.705, 40.708



51, 98.705, 90.708



51, 98.705, 220.708



51, 98.705, 270.708

Sweetspot

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



51, 98.701, 40.710



81, 27.788, 28.797



56, 103.555, 331.904



41, 19.286, 29.158



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 98.701, 40.710



54, 103.331, 40.743



68, 79.536, 67.340



47, 4.596, 27.577



39, 80.423, 40.992



9, 28.020, 28.628

Inverse Universe

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



80, 43.139, 211.932



85, 45.026, 212.046



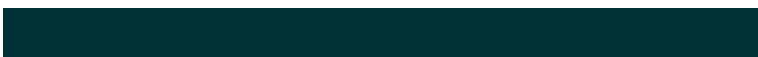
47, 82.328, 291.772



49, 4.321, 207.232



63, 35.235, 211.698



19, 15.558, 209.352

Previews

White Background



This preview shows how the CIELCh color 51, 98.705, 40.708 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 51, 98.705, 40.708 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 51, 98.705, 40.708

Background



This preview shows how black text looks on a background with the CIELCh color 51, 98.705, 40.708.



This preview shows how white text looks on a background with the CIELCh color 51, 98.705, 40.708.

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

51, 98.705, 40.708

Protanopia

51, 49.202, 95.422

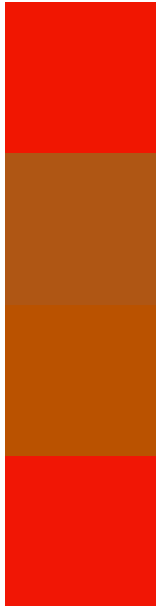
Deuteranopia

51, 57.654, 84.022



Tritanopia
51, 97.738, 40.005

Trichromacy



Original Color
51, 98.705, 40.708

Protanomaly
47, 60.102, 57.278

Deuteranomaly
48, 69.120, 55.967

Tritanomaly
51, 98.052, 40.237

Monochromacy



Original Color
51, 98.705, 40.708

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 39.633, 32.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 98.705, 40.708 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(241, 22, 1)` looks like.

```
.text, #text, p{  
    color:rgb(241, 22, 1)  
}
```

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(241, 22, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 22, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 98.705, 40.708 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(241, 22, 1) }
```

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

```
.border{ border-color:rgb(241, 22, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 22, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 22, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 22, 1);  
box-shadow:4px 4px 4px 4px rgb(241, 22, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 98.705, 40.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 22, 1) }
```

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

```
.background{ background-color: rgb(241, 22,  
1) }
```

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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