

Converting Colors

CIELCh(51, 93.646, 43.131)

Have a look what the booklet for
CIELCh(51, 93.646, 43.131) contains.

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Color

CIELCh(51, 93.398, 42.950)

Conversions

Conversions Part 1

Format	Color
Hex	E92D00
RGB	233, 45, 0
RGB Percent	91%, 18%, 0%
CMY	0.0852, 0.8223, 0.9990
CMYK	0.00, 0.81, 1.00, 0.09
HSL	12°, 100%, 46%
HSV	12°, 100%, 91%
XYZ	34.6418, 19.2686, 1.9005
YIQ	96.0820, 126.4930, 25.8610

Conversions

Conversions Part 2

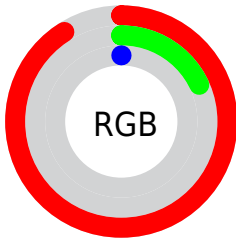
Format	Color
RYB	233, 56, 0
Decimal	15281408
CIELab	51.00, 68.36, 63.64
CIELCh	51, 93.398, 42.950
Yxy	19.2686, 0.6207, 0.3452
Android (android.graphics.Color)	4293471488 (0xFFE92D00)
YUV	96.0820, -47.3684, 120.0771
Hunter-Lab	43.8960, 64.0505, 28.1603

Details

The CIELCh color **51, 93.398, 42.950** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **71, 40.993, 234.721**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 75.693, 45.593**, and **34, 75.996, 39.844** is the 20% darker color. If you saturate the color by 10%, you get **51, 93.469, 42.957**, and if you desaturate by 10%, it is **53, 85.934, 42.857**.

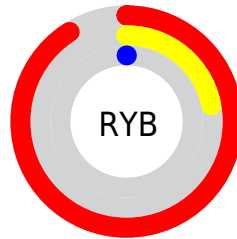
Distribution



Red (91%)

Green (18%)

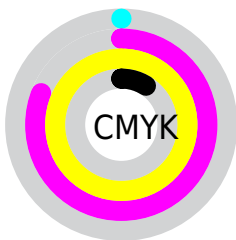
Blue (0%)



Red (91%)

Yellow (22%)

Blue (0%)

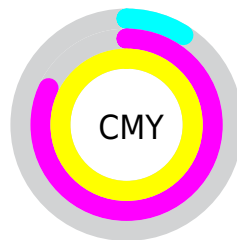


Cyan (0%)

Magenta (81%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (82%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 93.398, 42.950 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, 93.398, 42.950 by changing the saturation by 10% instead.

 51, 93.398, 42.950

 51, 93.398, 42.950

 100, 93.398,
42.950

 41, 93.398, 42.950

 71, 93.398, 42.950

 31, 93.398, 42.950

 81, 93.398, 42.950

 21, 93.398, 42.950

 91, 93.398, 42.950

 11, 93.398, 42.950

 1, 93.398, 42.950

 0, 93.398, 42.950

 51, 93.398, 42.950

 51, 93.398, 42.950

 51, 93.469, 42.957

 53, 85.934, 42.857

 56, 75.927, 42.039

■ 59, 64.877, 40.966

■ 63, 53.802, 40.015

■ 67, 43.154, 39.299

■ 72, 33.132, 38.826

■ 77, 23.809, 38.565

■ 82, 15.191, 38.470

■ 87, 7.246, 38.481

Harmonies

Complementary

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



51, 93.398, 42.950



71, 40.993, 234.721

Rectangle

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



51, 93.398, 42.950



51, 93.398, 92.950



51, 93.398, 222.950



51, 93.398, 272.950

Sweetspot

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



51, 93.395, 42.952



83, 25.711, 38.569



53, 93.474, 337.309



42, 17.856, 38.659



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, 93.395, 42.952



56, 100.140, 42.848



71, 77.199, 76.796



46, 4.173, 38.482



40, 76.908, 43.338



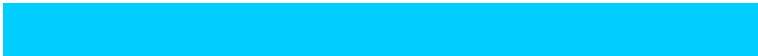
9, 25.025, 33.790

Inverse Universe

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



71, 40.993, 234.721



77, 43.879, 234.969



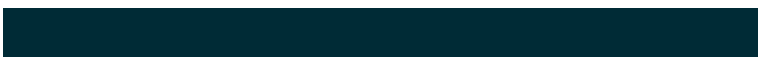
39, 95.199, 297.995



48, 3.932, 219.053



56, 33.870, 234.071



16, 14.417, 227.898

Previews

White Background



This preview shows how the CIELCh color 51, 93.398, 42.950 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, 93.398, 42.950 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, 93.398, 42.950

Background



This preview shows how black text looks on a background with the CIELCh color 51, 93.398, 42.950.



This preview shows how white text looks on a background with the CIELCh color 51, 93.398, 42.950.

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, 93.398, 42.950

Protanopia

51, 49.880, 95.390

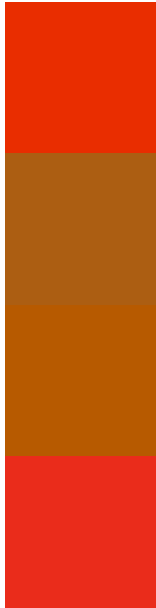
Deuteranopia

51, 57.654, 84.022



Tritanopia
51, 85.132, 35.013

Trichromacy



Original Color
51, 93.398, 42.950

Protanomaly
48, 58.567, 62.691

Deuteranomaly
49, 66.660, 59.950

Tritanomaly
51, 88.868, 38.889

Monochromacy



Original Color
51, 93.398, 42.950

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 35.109, 40.259

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 93.398, 42.950 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(233, 45, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 45, 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(233, 45, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 45, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 93.398, 42.950 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(233, 45, 0) }
```

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

```
.border{ border-color:rgb(233, 45, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 45, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 45, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 45, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 45, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 93.398, 42.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 45, 0) }
```

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

```
.background{ background-color: rgb(233, 45,  
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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