

Converting Colors

CIELCh(49, 95.528, 38.850)

Have a look what the booklet for
CIELCh(49, 95.528, 38.850) contains.

CIELCh(49, 95.400, 38.864)	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>	25

Color

CIELCh(49, 95.400, 38.864)

Conversions

Conversions Part 1

Format	Color
Hex	E9090B
RGB	233, 9, 11
RGB Percent	91%, 4%, 4%
CMY	0.0851, 0.9645, 0.9557
CMYK	0.00, 0.96, 0.95, 0.09
HSL	359°, 93%, 48%
HSV	359°, 96%, 91%
XYZ	33.8618, 17.5941, 1.9368
YIQ	76.2040, 132.8620, 48.1100

Conversions

Conversions Part 2

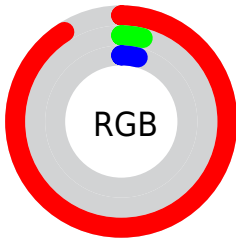
Format	Color
RYB	233, 9, 11
Decimal	15272203
CIELab	49.00, 74.28, 59.86
CIElCh	49, 95.400, 38.864
Yxy	17.5941, 0.6342, 0.3295
Android (android.graphics.Color)	4293462283 (0xFFE9090B)
YUV	76.2040, -32.1456, 137.5101
Hunter-Lab	41.9453, 70.6960, 26.6240

Details

The CIELCh color **49, 95.400, 38.864** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **84, 46.981, 194.906**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 77.574, 39.744**, and **34, 75.996, 39.844** is the 20% darker color. If you saturate the color by 10%, you get **49, 97.353, 39.690**, and if you desaturate by 10%, it is **50, 88.313, 35.815**.

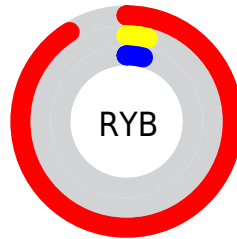
Distribution



Red (91%)

Green (4%)

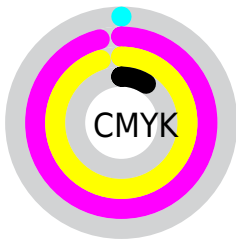
Blue (4%)



Red (91%)

Yellow (4%)

Blue (4%)

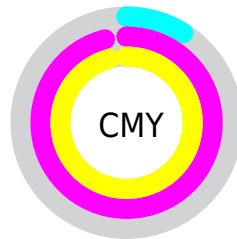


Cyan (0%)

Magenta (96%)

Yellow (95%)

Black (9%)



Cyan (9%)

Magenta (96%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 95.400, 38.864 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 49, 95.400, 38.864 by changing the saturation by 10% instead.

 49, 95.400, 38.864

 49, 95.400, 38.864

 100, 95.400,
38.864

 39, 95.400, 38.864

 69, 95.400, 38.864

 29, 95.400, 38.864

 79, 95.400, 38.864

 19, 95.400, 38.864

 89, 95.400, 38.864

 9, 95.400, 38.864

 99, 95.400, 38.864

 0, 95.400, 38.864

 49, 95.400, 38.864

 49, 95.400, 38.864

 49, 97.353, 39.690

 50, 88.313, 35.815

 52, 78.600, 32.114

■ 56, 67.764, 28.705

■ 60, 56.498, 25.898

■ 65, 45.238, 23.699

■ 70, 34.312, 22.006

■ 76, 23.935, 20.706

■ 82, 14.218, 19.694

■ 89, 5.192, 18.847

Harmonies

Complementary

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



49, 95.400, 38.864



84, 46.981, 194.906

Rectangle

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



49, 95.400, 38.864



49, 95.400, 88.864



49, 95.400, 218.864



49, 95.400, 268.864

Sweetspot

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



49, 95.397, 38.866



81, 28.881, 21.064



55, 107.436, 327.565



40, 20.126, 21.622



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 95.397, 38.866



53, 104.175, 39.723



62, 78.609, 59.684



46, 4.904, 19.127



38, 80.392, 39.575



7, 28.491, 22.311

Inverse Universe

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



49, 95.397, 38.866



53, 104.175, 39.723



53, 63.685, 281.362



46, 4.904, 19.127



38, 80.392, 39.575



7, 28.491, 22.311

Previews

White Background



This preview shows how the CIELCh color 49, 95.400, 38.864 looks on a white 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

Black Background



This preview shows how the CIELCh color 49, 95.400, 38.864 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 49, 95.400, 38.864

Background



This preview shows how black text looks on a background with the CIELCh color 49, 95.400, 38.864.



This preview shows how white text looks on a background with the CIELCh color 49, 95.400, 38.864.

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

49, 95.348, 38.899

Protanopia

49, 46.326, 95.638

Deuteranopia

49, 56.082, 84.409

Trichromacy



Original Color
49, 95.348, 38.899

Protanomaly
44, 57.538, 53.343

Deuteranomaly
45, 67.038, 53.945

Monochromacy



Original Color
49, 95.348, 38.899

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 39.139, 27.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 95.400, 38.864 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, 9, 11)` looks like.

```
.text, #text, p{  
    color:rgb(233, 9, 11)  
}
```

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, 9, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 9, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 95.400, 38.864 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, 9, 11) }
```

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

```
.border{ border-color:rgb(233, 9, 11) }
```

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

Here you see how a box with a 4 pixel rgb(233, 9, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 9, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 9, 11);  
box-shadow:4px 4px 4px 4px rgb(233, 9, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 95.400, 38.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 9, 11) }
```

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

```
.background{ background-color: rgb(233, 9,  
11) }
```

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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