

Converting Colors

CIELCh(49, 91.653, 38.477)

Have a look what the booklet for
CIELCh(49, 91.653, 38.477) contains.

CIELCh(49, 91.653, 38.477)	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(49, 91.653, 38.477)

Conversions

Conversions Part 1

Format	Color
Hex	E61913
RGB	230, 25, 19
RGB Percent	90%, 10%, 7%
CMY	0.0976, 0.9010, 0.9251
CMYK	0.00, 0.89, 0.92, 0.10
HSL	2°, 85%, 49%
HSV	2°, 92%, 90%
XYZ	33.1416, 17.5941, 2.2697
YIQ	85.6110, 124.1060, 41.5940

Conversions

Conversions Part 2

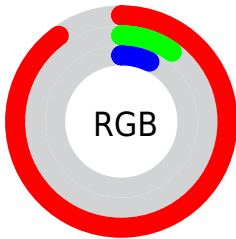
Format	Color
RYB	230, 25, 19
Decimal	15079699
CIELab	49.00, 71.75, 57.03
CIElCh	49, 91.653, 38.477
Yxy	17.5941, 0.6253, 0.3319
Android (android.graphics.Color)	4293269779 (0xFFE61913)
YUV	85.6110, -32.8392, 126.6292
Hunter-Lab	41.9453, 67.6315, 26.1535

Details

The CIELCh color **49, 91.653, 38.477** 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 **81, 44.150, 200.798**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 75.262, 39.394**, and **34, 74.931, 39.792** is the 20% darker color. If you saturate the color by 10%, you get **48, 96.397, 40.232**, and if you desaturate by 10%, it is **51, 82.934, 35.531**.

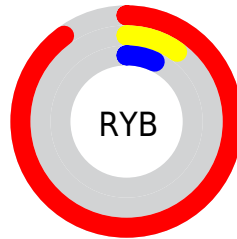
Distribution



Red (90%)

Green (10%)

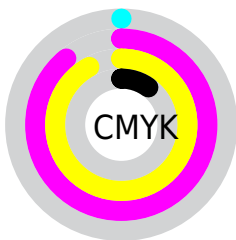
Blue (7%)



Red (90%)

Yellow (10%)

Blue (7%)

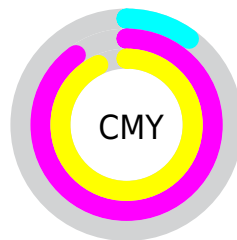


Cyan (0%)

Magenta (89%)

Yellow (92%)

Black (10%)



Cyan (10%)

Magenta (90%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 91.653, 38.477 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, 91.653, 38.477 by changing the saturation by 10% instead.

 49, 91.653, 38.477

 49, 91.653, 38.477

 100, 91.653,
38.477

 39, 91.653, 38.477

 69, 91.653, 38.477

 29, 91.653, 38.477

 79, 91.653, 38.477

 19, 91.653, 38.477

 89, 91.653, 38.477

 9, 91.653, 38.477

 99, 91.653, 38.477

 0, 91.653, 38.477

 49, 91.653, 38.477

 49, 91.653, 38.477

 48, 96.397, 40.232

 51, 82.934, 35.531

 54, 72.396, 32.353

■ 57, 61.220, 29.568

■ 62, 49.977, 27.327

■ 67, 39.027, 25.594

■ 72, 28.601, 24.274

■ 78, 18.827, 23.271

■ 84, 9.751, 22.492

■ 90, 1.362, 21.536

Harmonies

Complementary

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



49, 91.653, 38.477



81, 44.150, 200.798

Rectangle

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



49, 91.653, 38.477



49, 91.653, 88.477



49, 91.653, 218.477



49, 91.653, 268.477

Sweetspot

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



49, 91.650, 38.479



82, 27.083, 23.887



55, 104.004, 328.813



41, 19.012, 24.366



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, 91.650, 38.479



53, 104.228, 40.204



64, 74.708, 63.743



45, 4.680, 22.335



37, 79.581, 40.300



7, 26.549, 23.231

Inverse Universe

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



81, 44.150, 200.798



89, 48.100, 201.156



51, 64.112, 282.653



47, 4.405, 201.561



64, 36.836, 201.047



18, 15.550, 200.301

Previews

White Background



This preview shows how the CIELCh color 49, 91.653, 38.477 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, 91.653, 38.477 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, 91.653, 38.477

Background



This preview shows how black text looks on a background with the CIELCh color 49, 91.653, 38.477.



This preview shows how white text looks on a background with the CIELCh color 49, 91.653, 38.477.

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, 91.653, 38.477

Protanopia

49, 43.746, 96.151

Deuteranopia

49, 56.082, 84.409



Tritanopia
49, 91.863, 38.654

Trichromacy



Original Color
49, 91.653, 38.477

Protanomaly
45, 53.498, 55.136

Deuteranomaly
46, 65.117, 55.797

Tritanomaly
49, 91.863, 38.654

Monochromacy



Original Color
49, 91.653, 38.477

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 35.308, 27.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 91.653, 38.477 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(230, 25, 19)` looks like.

```
.text, #text, p{  
    color:rgb(230, 25, 19)  
}
```

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(230, 25, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 25, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 91.653, 38.477 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(230, 25, 19) }
```

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

```
.border{ border-color:rgb(230, 25, 19) }
```

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

Here you see how a box with a 4 pixel rgb(230, 25, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 25, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 25, 19);  
box-shadow:4px 4px 4px 4px rgb(230, 25,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 91.653, 38.477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 25, 19) }
```

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

```
.background{ background-color: rgb(230, 25,  
19) }
```

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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