

Converting Colors

CIELCh(47, 90.230, 38.059)

Have a look what the booklet for
CIELCh(47, 90.230, 38.059) contains.

CIELCh(47, 90.443, 38.148)	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(47, 90.443, 38.148)

Conversions

Conversions Part 1

Format	Color
Hex	DF0F11
RGB	223, 15, 17
RGB Percent	87%, 6%, 7%
CMY	0.1268, 0.9403, 0.9344
CMYK	0.00, 0.93, 0.92, 0.13
HSL	360°, 87%, 47%
HSV	360°, 93%, 87%
XYZ	30.5975, 16.0195, 1.9982
YIQ	77.4200, 123.3260, 44.7180

Conversions

Conversions Part 2

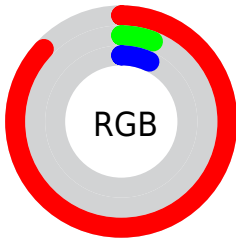
Format	Color
RYB	223, 15, 17
Decimal	14618385
CIELab	47.00, 71.13, 55.87
CIElCh	47, 90.443, 38.148
Yxy	16.0195, 0.6294, 0.3295
Android (android.graphics.Color)	4292808465 (0xFFDF0F11)
YUV	77.4200, -29.7871, 127.6737
Hunter-Lab	40.0243, 66.4159, 25.0569

Details

The CIELCh color **47, 90.443, 38.148** 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, 45.063, 195.360**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 76.929, 38.535**, and **32, 72.402, 39.637** is the 20% darker color. If you saturate the color by 10%, you get **46, 94.078, 39.761**, and if you desaturate by 10%, it is **48, 82.595, 34.801**.

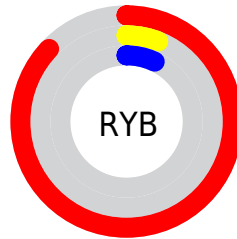
Distribution



Red (87%)

Green (6%)

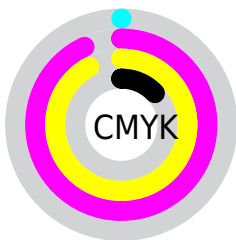
Blue (7%)



Red (87%)

Yellow (6%)

Blue (7%)

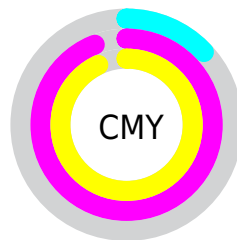


Cyan (0%)

Magenta (93%)

Yellow (92%)

Black (13%)



Cyan (13%)

Magenta (94%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 90.443, 38.148 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 47, 90.443, 38.148 by changing the saturation by 10% instead.

 47, 90.443, 38.148

 47, 90.443, 38.148

 100, 90.443,
38.148

 37, 90.443, 38.148

 67, 90.443, 38.148

 27, 90.443, 38.148

 77, 90.443, 38.148

 17, 90.443, 38.148

 87, 90.443, 38.148

 7, 90.443, 38.148

 97, 90.443, 38.148

 0, 90.443, 38.148

 47, 90.443, 38.148

 47, 90.443, 38.148

 46, 94.078, 39.761

 48, 82.595, 34.801

 51, 72.772, 31.159

■ 54, 62.122, 27.946

■ 59, 51.209, 25.350

■ 64, 40.417, 23.331

■ 69, 30.027, 21.781

■ 75, 20.212, 20.589

■ 81, 11.051, 19.653

■ 87, 2.556, 18.765

Harmonies

Complementary

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



47, 90.443, 38.148



81, 45.063, 195.360

Rectangle

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



47, 90.443, 38.148



47, 90.443, 88.148



47, 90.443, 218.148



47, 90.443, 268.148

Sweetspot

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



47, 90.440, 38.150



81, 27.794, 21.152



53, 103.084, 327.562



41, 19.494, 21.700



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 90.440, 38.150



53, 104.284, 39.799



60, 74.314, 60.585



44, 4.727, 19.347



36, 78.794, 39.658



6, 25.523, 20.635

Inverse Universe

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



47, 90.440, 38.150



53, 104.284, 39.799



51, 59.476, 279.848



44, 4.727, 19.347



36, 78.794, 39.658



6, 25.523, 20.635

Previews

White Background



This preview shows how the CIELCh color 47, 90.443, 38.148 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 47, 90.443, 38.148 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 90.443, 38.148

Background



This preview shows how black text looks on a background with the CIELCh color 47, 90.443, 38.148.



This preview shows how white text looks on a background with the CIELCh color 47, 90.443, 38.148.

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

47, 90.515, 38.094

Protanopia

47, 42.888, 95.852

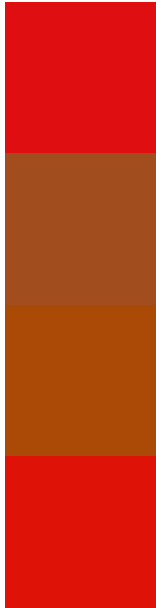
Deuteranopia

47, 54.371, 84.201



Tritanopia
47, 92.875, 40.870

Trichromacy



Original Color
47, 90.515, 38.094

Protanomaly
43, 53.147, 53.345

Deuteranomaly
44, 63.770, 54.719

Tritanomaly
47, 91.945, 39.900

Monochromacy



Original Color
47, 90.515, 38.094

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 36.126, 26.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 90.443, 38.148 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(223, 15, 17)` looks like.

```
.text, #text, p{  
    color:rgb(223, 15, 17)  
}
```

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(223, 15, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 15, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 90.443, 38.148 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(223, 15, 17) }
```

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

```
.border{ border-color:rgb(223, 15, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 15, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 15, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 15, 17);  
box-shadow:4px 4px 4px 4px rgb(223, 15,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 90.443, 38.148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 15, 17) }
```

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

```
.background{ background-color: rgb(223, 15,  
17) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor