

Converting Colors

CIELCh(47, 92.849, 38.274)

Have a look what the booklet for
CIELCh(47, 92.849, 38.274) contains.

CIELCh(47, 92.962, 38.362)	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, 92.962, 38.362)

Conversions

Conversions Part 1

Format	Color
Hex	E1010C
RGB	225, 1, 12
RGB Percent	88%, 0%, 5%
CMY	0.1183, 0.9978, 0.9535
CMYK	0.00, 1.00, 0.95, 0.12
HSL	357°, 99%, 44%
HSV	357°, 100%, 88%
XYZ	31.0730, 16.0195, 1.7976
YIQ	69.2300, 129.9730, 50.9090

Conversions

Conversions Part 2

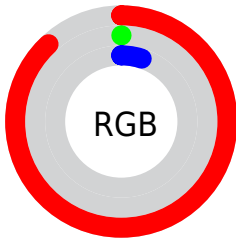
Format	Color
RYB	225, 1, 12
Decimal	14745868
CIELab	47.00, 72.89, 57.69
CIElCh	47, 92.962, 38.362
Yxy	16.0195, 0.6356, 0.3277
Android (android.graphics.Color)	4292935948 (0xFFE1010C)
YUV	69.2300, -28.2144, 136.6103
Hunter-Lab	40.0243, 68.5365, 25.3542

Details

The CIELCh color **47, 92.962, 38.362** 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, 47.532, 188.885**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 78.719, 38.921**, and **33, 73.130, 39.686** is the 20% darker color. If you saturate the color by 10%, you get **47, 93.085, 38.420**, and if you desaturate by 10%, it is **48, 86.593, 34.987**.

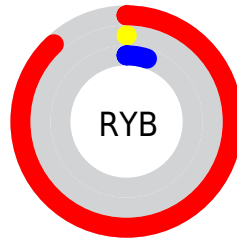
Distribution



Red (88%)

Green (0%)

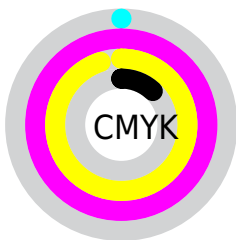
Blue (5%)



Red (88%)

Yellow (0%)

Blue (5%)

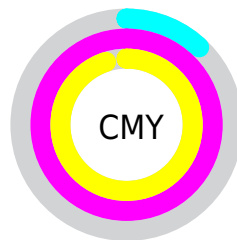


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (12%)



Cyan (12%)

Magenta (100%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 92.962, 38.362 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, 92.962, 38.362 by changing the saturation by 10% instead.

 47, 92.962, 38.362

 47, 92.962, 38.362

 100, 92.962,
38.362

 37, 92.962, 38.362

 67, 92.962, 38.362

 27, 92.962, 38.362

 77, 92.962, 38.362

 17, 92.962, 38.362

 87, 92.962, 38.362

 7, 92.962, 38.362

 97, 92.962, 38.362

 0, 92.962, 38.362

 47, 92.962, 38.362

 47, 92.962, 38.362

 47, 93.085, 38.420

 48, 86.593, 34.987

 50, 77.997, 30.890

■ 53, 68.235, 27.107

■ 56, 57.857, 23.968

■ 61, 47.257, 21.483

■ 66, 36.778, 19.549

■ 72, 26.675, 18.044

■ 77, 17.107, 16.857

■ 83, 8.145, 15.888

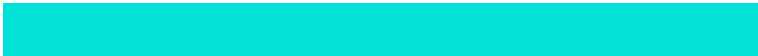
Harmonies

Complementary

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



47, 92.962, 38.362



81, 47.532, 188.885

Rectangle

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



47, 92.962, 38.362



47, 92.962, 88.362



47, 92.962, 218.362



47, 92.962, 268.362

Sweetspot

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



47, 92.959, 38.364



80, 29.839, 18.106



51, 105.441, 325.598



40, 20.639, 18.707



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, 92.959, 38.364



53, 102.651, 38.626



57, 80.110, 54.980



44, 4.732, 15.860



36, 76.983, 37.898



6, 25.427, 18.824

Inverse Universe

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



47, 92.959, 38.364



53, 102.651, 38.626



53, 57.852, 277.262



44, 4.732, 15.860



36, 76.983, 37.898



6, 25.427, 18.824

Previews

White Background



This preview shows how the CIELCh color 47, 92.962, 38.362 looks on a white background.

Color Contrast Check

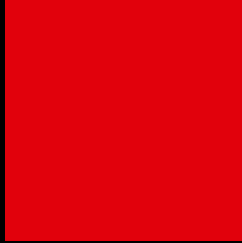
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.962, 38.362 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, 92.962, 38.362

Background



This preview shows how black text looks on a background with the CIELCh color 47, 92.962, 38.362.



This preview shows how white text looks on a background with the CIELCh color 47, 92.962, 38.362.

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, 92.962, 38.362

Protanopia

48, 44.577, 95.972

Deuteranopia

48, 54.678, 84.340



Tritanopia
47, 93.112, 40.923

Trichromacy



Original Color
47, 92.962, 38.362

Protanomaly
42, 55.964, 51.921

Deuteranomaly
43, 65.952, 52.606

Tritanomaly
47, 93.261, 39.969

Monochromacy



Original Color
47, 92.962, 38.362

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 39.456, 24.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 92.962, 38.362 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(225, 1, 12)` looks like.

```
.text, #text, p{  
    color:rgb(225, 1, 12)  
}
```

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(225, 1, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 1, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 92.962, 38.362 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(225, 1, 12) }
```

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

```
.border{ border-color:rgb(225, 1, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 1, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 1, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 1, 12);  
box-shadow:4px 4px 4px 4px rgb(225, 1, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 92.962, 38.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 1, 12) }
```

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

```
.background{ background-color: rgb(225, 1,  
12) }
```

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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