

Converting Colors

CIELCh(47, 93.017, 38.478)

Have a look what the booklet for
CIELCh(47, 93.017, 38.478) contains.

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Color

CIELCh(47, 93.137, 38.506)

Conversions

Conversions Part 1

Format	Color
Hex	E1010B
RGB	225, 1, 11
RGB Percent	88%, 0%, 4%
CMY	0.1182, 0.9977, 0.9574
CMYK	0.00, 1.00, 0.95, 0.12
HSL	357°, 99%, 44%
HSV	357°, 100%, 88%
XYZ	31.0708, 16.0195, 1.7668
YIQ	69.1160, 130.2940, 50.5980

Conversions

Conversions Part 2

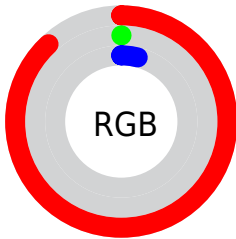
Format	Color
R_{YB}	225, 1, 11
Decimal	14745867
CIE Lab	47.00, 72.88, 57.99
CIE LCh	47, 93.137, 38.506
Yxy	16.0195, 0.6360, 0.3279
Android (android.graphics.Color)	4292935947 (0xFFE1010B)
YUV	69.1160, -28.6512, 136.7103
Hunter-Lab	40.0243, 68.5265, 25.3997

Details

The CIELCh color **47, 93.137, 38.506** 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, 47.326, 189.541**, 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, 93.263, 38.564**, and if you desaturate by 10%, it is **48, 86.826, 35.229**.

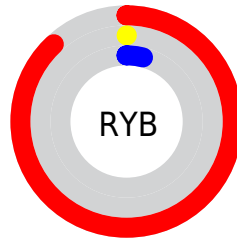
Distribution



Red (88%)

Green (0%)

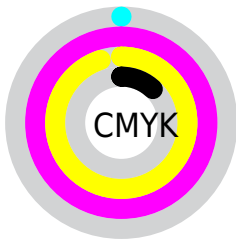
Blue (4%)



Red (88%)

Yellow (0%)

Blue (4%)

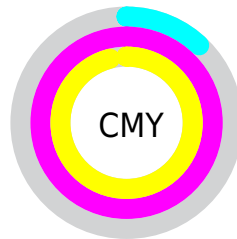


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (12%)



Cyan (12%)

Magenta (100%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 93.137, 38.506 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, 93.137, 38.506 by changing the saturation by 10% instead.

 47, 93.137, 38.506

 47, 93.137, 38.506

 100, 93.137,
38.506

 37, 93.137, 38.506

 67, 93.137, 38.506

 27, 93.137, 38.506

 77, 93.137, 38.506

 17, 93.137, 38.506

 87, 93.137, 38.506

 7, 93.137, 38.506

 97, 93.137, 38.506

 0, 93.137, 38.506

 47, 93.137, 38.506

 47, 93.137, 38.506

 47, 93.263, 38.564

 48, 86.826, 35.229

 50, 78.196, 31.180

■ 53, 68.375, 27.419

■ 56, 57.943, 24.292

■ 61, 47.303, 21.816

■ 66, 36.794, 19.890

■ 72, 26.674, 18.393

■ 77, 17.096, 17.216

■ 83, 8.132, 16.256

Harmonies

Complementary

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



47, 93.137, 38.506



81, 47.326, 189.541

Rectangle

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



47, 93.137, 38.506



47, 93.137, 88.506



47, 93.137, 218.506



47, 93.137, 268.506

Sweetspot

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



47, 93.134, 38.508



80, 29.851, 18.457



51, 105.315, 326.249



40, 20.651, 19.054



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, 93.134, 38.508



53, 102.832, 38.760



57, 79.420, 56.203



44, 4.731, 16.229



36, 77.161, 38.079



6, 25.436, 19.016

Inverse Universe

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



47, 93.134, 38.508



53, 102.832, 38.760



52, 59.877, 279.247



44, 4.731, 16.229



36, 77.161, 38.079



6, 25.436, 19.016

Previews

White Background



This preview shows how the CIELCh color 47, 93.137, 38.506 looks on a white background.

Color Contrast Check

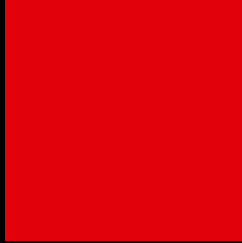
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.137, 38.506 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, 93.137, 38.506

Background



This preview shows how black text looks on a background with the CIELCh color 47, 93.137, 38.506.



This preview shows how white text looks on a background with the CIELCh color 47, 93.137, 38.506.

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, 93.137, 38.506

Protanopia

48, 44.983, 95.985

Deuteranopia

48, 54.678, 84.340



Tritanopia
47, 93.112, 40.923

Trichromacy



Original Color
47, 93.137, 38.506



Protanomaly
42, 56.280, 52.211



Deuteranomaly
43, 65.952, 52.606



Tritanomaly
47, 93.261, 39.969

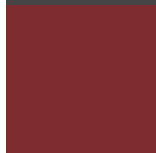
Monochromacy



Original Color
47, 93.137, 38.506



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, 93.137, 38.506 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, 11)` looks like.

```
.text, #text, p{  
    color:rgb(225, 1, 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(225, 1, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 1, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 93.137, 38.506 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, 11) }
```

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

```
.border{ border-color:rgb(225, 1, 11) }
```

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, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 1, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 1, 11);  
box-shadow:4px 4px 4px 4px rgb(225, 1, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 93.137, 38.506 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, 11) }
```

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

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