

Converting Colors

CIELCh(47, 92.140, 39.054)

Have a look what the booklet for
CIELCh(47, 92.140, 39.054) contains.

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Color

CIELCh(47, 92.027, 39.053)

Conversions

Conversions Part 1

Format	Color
Hex	DF0D0A
RGB	223, 13, 10
RGB Percent	87%, 5%, 4%
CMY	0.1247, 0.9505, 0.9600
CMYK	0.00, 0.94, 0.95, 0.12
HSL	1°, 91%, 46%
HSV	1°, 95%, 88%
XYZ	30.6884, 16.0195, 1.7675
YIQ	75.4480, 126.1230, 43.5870

Conversions

Conversions Part 2

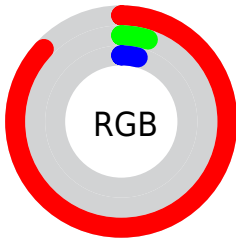
Format	Color
RYB	223, 13, 10
Decimal	14617866
CIELab	47.00, 71.46, 57.98
CIELCh	47, 92.027, 39.053
Yxy	16.0195, 0.6331, 0.3305
Android (android.graphics.Color)	4292807946 (0xFFDF0D0A)
YUV	75.4480, -32.2659, 129.4031
Hunter-Lab	40.0243, 66.8211, 25.3988

Details

The CIELCh color **47, 92.027, 39.053** 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 **80, 44.366, 198.118**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 78.579, 39.770**, and **32, 72.402, 39.637** is the 20% darker color. If you saturate the color by 10%, you get **47, 94.419, 40.094**, and if you desaturate by 10%, it is **48, 84.860, 36.249**.

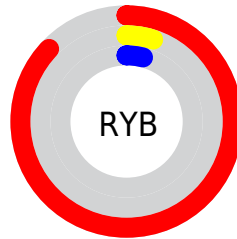
Distribution



Red (87%)

Green (5%)

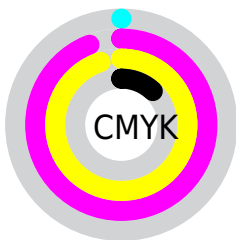
Blue (4%)



Red (87%)

Yellow (5%)

Blue (4%)

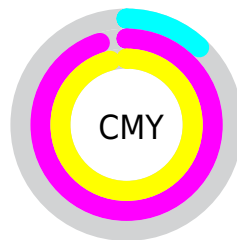


Cyan (0%)

Magenta (94%)

Yellow (95%)

Black (12%)



Cyan (12%)

Magenta (95%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 92.027, 39.053 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, 92.027, 39.053 by changing the saturation by 10% instead.

■ 47, 92.027, 39.053

■ 47, 92.027, 39.053

■ 100, 92.027,
39.053

■ 37, 92.027, 39.053

■ 67, 92.027, 39.053

■ 27, 92.027, 39.053

■ 77, 92.027, 39.053

■ 17, 92.027, 39.053

■ 87, 92.027, 39.053

■ 7, 92.027, 39.053

■ 97, 92.027, 39.053

■ 0, 92.027, 39.053

■ 47, 92.027, 39.053

■ 47, 92.027, 39.053

■ 47, 94.419, 40.094

■ 48, 84.860, 36.249

■ 51, 75.180, 32.811

■ 54, 64.496, 29.642

■ 58, 53.501, 27.036

■ 63, 42.613, 24.996

■ 68, 32.121, 23.433

■ 74, 22.206, 22.240

■ 80, 12.954, 21.317

■ 86, 4.381, 20.535

Harmonies

Complementary

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



47, 92.027, 39.053



80, 44.366, 198.118

Rectangle

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



47, 92.027, 39.053



47, 92.027, 89.053



47, 92.027, 219.053



47, 92.027, 269.053

Sweetspot

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



47, 92.024, 39.055



81, 28.624, 22.654



53, 103.694, 328.206



40, 19.959, 23.179



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, 92.024, 39.055



53, 104.440, 40.079



60, 75.130, 61.338



44, 4.675, 20.851



36, 78.956, 40.084



6, 25.341, 21.493

Inverse Universe

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



80, 44.366, 198.118



90, 49.298, 198.190



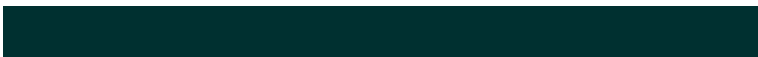
50, 63.045, 282.638



46, 4.403, 199.961



64, 37.335, 198.148



17, 15.376, 197.857

Previews

White Background



This preview shows how the CIELCh color 47, 92.027, 39.053 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, 92.027, 39.053 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, 92.027, 39.053

Background



This preview shows how black text looks on a background with the CIELCh color 47, 92.027, 39.053.



This preview shows how white text looks on a background with the CIELCh color 47, 92.027, 39.053.

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, 91.964, 39.098

Protanopia

48, 44.648, 95.299

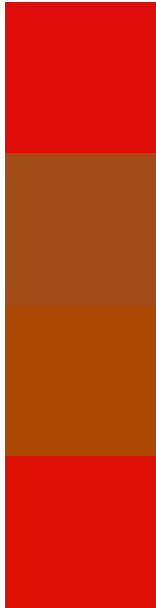
Deuteranopia

47, 54.371, 84.201



Tritanopia
47, 92.875, 40.870

Trichromacy



Original Color
47, 91.964, 39.098

Protanomaly
43, 55.364, 54.038

Deuteranomaly
44, 64.771, 54.402

Tritanomaly
47, 92.381, 40.123

Monochromacy



Original Color
47, 91.964, 39.098

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 37.512, 27.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 92.027, 39.053 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, 13, 10)` looks like.

```
.text, #text, p{  
    color:rgb(223, 13, 10)  
}
```

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, 13, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 13, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 92.027, 39.053 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, 13, 10) }
```

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

```
.border{ border-color:rgb(223, 13, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 13, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 13, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 13, 10);  
box-shadow:4px 4px 4px 4px rgb(223, 13,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 92.027, 39.053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 13, 10) }
```

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

```
.background{ background-color: rgb(223, 13,  
10) }
```

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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