

Converting Colors

CIELCh(48, 93.442, 40.019)

Have a look what the booklet for
CIELCh(48, 93.442, 40.019) contains.

CIELCh(48, 93.442, 40.019)	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(48, 93.442, 40.019)

Conversions

Conversions Part 1

Format	Color
Hex	E31406
RGB	227, 20, 6
RGB Percent	89%, 8%, 2%
CMY	0.1106, 0.9231, 0.9772
CMYK	0.00, 0.91, 0.97, 0.11
HSL	4°, 95%, 46%
HSV	4°, 97%, 89%
XYZ	31.8863, 16.7945, 1.7277
YIQ	80.2970, 127.8660, 39.5300

Conversions

Conversions Part 2

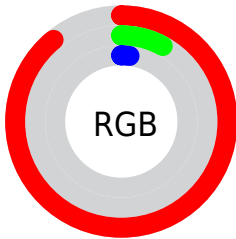
Format	Color
R_{YB}	227, 21, 6
Decimal	14881798
CIE _{Lab}	48.00, 71.56, 60.09
CIE _{LCh}	48, 93.442, 40.019
Yxy	16.7945, 0.6326, 0.3332
Android (android.graphics.Color)	4293071878 (0xFFE31406)
YUV	80.2970, -36.6284, 128.6585
Hunter-Lab	40.9810, 67.1693, 26.1871

Details

The CIELCh color **48, 93.442, 40.019** 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 **78, 42.203, 206.838**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 78.235, 40.913**, and **33, 73.854, 39.731** is the 20% darker color. If you saturate the color by 10%, you get **48, 94.893, 40.527**, and if you desaturate by 10%, it is **49, 86.346, 38.094**.

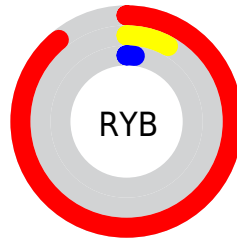
Distribution



Red (89%)

Green (8%)

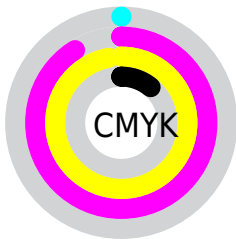
Blue (2%)



Red (89%)

Yellow (8%)

Blue (2%)

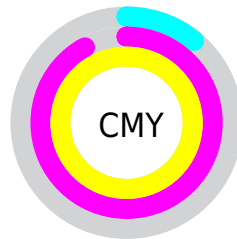


Cyan (0%)

Magenta (91%)

Yellow (97%)

Black (11%)



Cyan (11%)

Magenta (92%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 93.442, 40.019 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 48, 93.442, 40.019 by changing the saturation by 10% instead.

■ 48, 93.442, 40.019

■ 48, 93.442, 40.019

■ 100, 93.442,
40.019

■ 38, 93.442, 40.019

■ 68, 93.442, 40.019

■ 28, 93.442, 40.019

■ 78, 93.442, 40.019

■ 18, 93.442, 40.019

■ 88, 93.442, 40.019

■ 8, 93.442, 40.019

■ 98, 93.442, 40.019

■ 0, 93.442, 40.019

■ 48, 93.442, 40.019

■ 48, 93.442, 40.019

■ 48, 94.893, 40.527

■ 49, 86.346, 38.094

■ 52, 76.482, 35.387

■ 55, 65.571, 32.754

■ 59, 54.451, 30.540

■ 64, 43.555, 28.799

■ 69, 33.141, 27.472

■ 74, 23.352, 26.478

■ 80, 14.250, 25.734

■ 86, 5.835, 25.142

Harmonies

Complementary

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



48, 93.442, 40.019



78, 42.203, 206.838

Rectangle

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



48, 93.442, 40.019



48, 93.442, 90.019



48, 93.442, 220.019



48, 93.442, 270.019

Sweetspot

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



48, 93.439, 40.021



82, 27.332, 26.631



53, 101.292, 330.291



41, 19.076, 27.043



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 93.439, 40.021



54, 103.786, 40.467



63, 75.728, 65.052



44, 4.451, 25.258



37, 78.256, 40.677



6, 24.462, 24.113

Inverse Universe

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



78, 42.203, 206.838



87, 46.166, 207.170



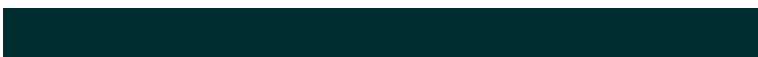
47, 71.904, 288.150



46, 4.188, 204.725



62, 35.006, 206.900



16, 14.546, 205.059

Previews

White Background



This preview shows how the CIELCh color 48, 93.442, 40.019 looks on a white background.

Color Contrast Check

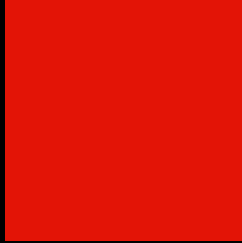
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 93.442, 40.019 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 48, 93.442, 40.019

Background



This preview shows how black text looks on a background with the CIELCh color 48, 93.442, 40.019.



This preview shows how white text looks on a background with the CIELCh color 48, 93.442, 40.019.

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

48, 93.442, 40.019

Protanopia

48, 46.265, 95.475

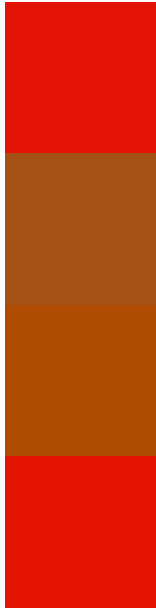
Deuteranopia

48, 55.165, 84.000



Tritanopia
48, 94.509, 40.827

Trichromacy



Original Color
48, 93.442, 40.019

Protanomaly
44, 56.850, 56.290

Deuteranomaly
45, 65.760, 55.379

Tritanomaly
48, 94.143, 40.554

Monochromacy



Original Color
48, 93.442, 40.019

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 36.943, 30.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 93.442, 40.019 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(227, 20, 6)` looks like.

```
.text, #text, p{  
    color:rgb(227, 20, 6)  
}
```

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(227, 20, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 20, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 93.442, 40.019 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(227, 20, 6) }
```

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

```
.border{ border-color:rgb(227, 20, 6) }
```

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

Here you see how a box with a 4 pixel rgb(227, 20, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 20, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 20, 6);  
box-shadow:4px 4px 4px 4px rgb(227, 20, 6)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 93.442, 40.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 20, 6) }
```

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

```
.background{ background-color: rgb(227, 20,  
6) }
```

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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