

Converting Colors

CIELCh(48, 95.981, 39.964)

Have a look what the booklet for
CIELCh(48, 95.981, 39.964) contains.

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Color

CIELCh(48, 96.002, 40.002)

Conversions

Conversions Part 1

Format	Color
Hex	E50501
RGB	229, 5, 1
RGB Percent	90%, 2%, 0%
CMY	0.1012, 0.9816, 0.9954
CMYK	0.00, 0.98, 0.99, 0.10
HSL	1°, 99%, 45%
HSV	1°, 99%, 90%
XYZ	32.4342, 16.7945, 1.5656
YIQ	71.5200, 134.7880, 46.2440

Conversions

Conversions Part 2

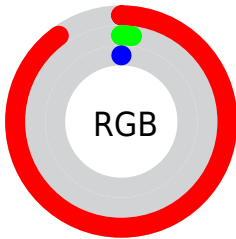
Format	Color
RYB	229, 5, 1
Decimal	15009025
CIELab	48.00, 73.54, 61.71
CIELCh	48, 96.002, 40.002
Yxy	16.7945, 0.6385, 0.3306
Android (android.graphics.Color)	4293199105 (0xFFE50501)
YUV	71.5200, -34.7664, 138.1100
Hunter-Lab	40.9810, 69.5560, 26.4217

Details

The CIELCh color **48, 96.002, 40.002** 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 **82, 45.193, 198.846**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 80.028, 41.188**, and **34, 74.573, 39.772** is the 20% darker color. If you saturate the color by 10%, you get **48, 96.276, 40.124**, and if you desaturate by 10%, it is **49, 90.002, 37.654**.

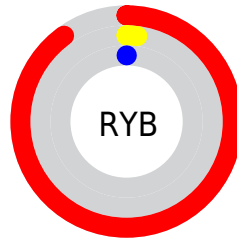
Distribution



Red (90%)

Green (2%)

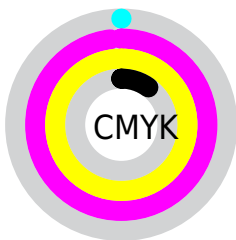
Blue (0%)



Red (90%)

Yellow (2%)

Blue (0%)

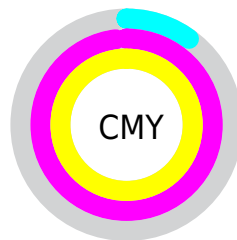


Cyan (0%)

Magenta (98%)

Yellow (99%)

Black (10%)



Cyan (10%)

Magenta (98%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 96.002, 40.002 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, 96.002, 40.002 by changing the saturation by 10% instead.

 48, 96.002, 40.002

 48, 96.002, 40.002

 100, 96.002,
40.002

 38, 96.002, 40.002

 68, 96.002, 40.002

 28, 96.002, 40.002

 78, 96.002, 40.002

 18, 96.002, 40.002

 88, 96.002, 40.002

 8, 96.002, 40.002

 98, 96.002, 40.002

 0, 96.002, 40.002

 48, 96.002, 40.002

 48, 96.002, 40.002

 48, 96.276, 40.124

 49, 90.002, 37.654

 51, 80.884, 34.379

■ 54, 70.252, 31.083

■ 58, 59.080, 28.272

■ 62, 47.878, 26.037

■ 68, 36.985, 24.314

■ 73, 26.628, 23.001

■ 79, 16.926, 21.995

■ 85, 7.920, 21.198

Harmonies

Complementary

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



48, 96.002, 40.002



82, 45.193, 198.846

Rectangle

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



48, 96.002, 40.002



48, 96.002, 90.002



48, 96.002, 220.002



48, 96.002, 270.002

Sweetspot

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



48, 95.998, 40.004



80, 29.610, 23.080



54, 106.523, 328.230



40, 20.524, 23.603



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, 95.998, 40.004



53, 104.390, 40.109



61, 78.615, 60.157



45, 4.743, 21.196



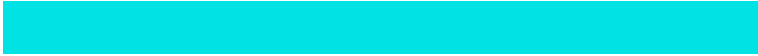
37, 79.769, 40.147



7, 26.807, 22.534

Inverse Universe

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



82, 45.193, 198.846



90, 49.007, 198.871



49, 67.202, 284.526



47, 4.466, 200.330



65, 37.517, 198.815



18, 15.795, 198.433

Previews

White Background



This preview shows how the CIELCh color 48, 96.002, 40.002 looks on a white background.

Color Contrast Check

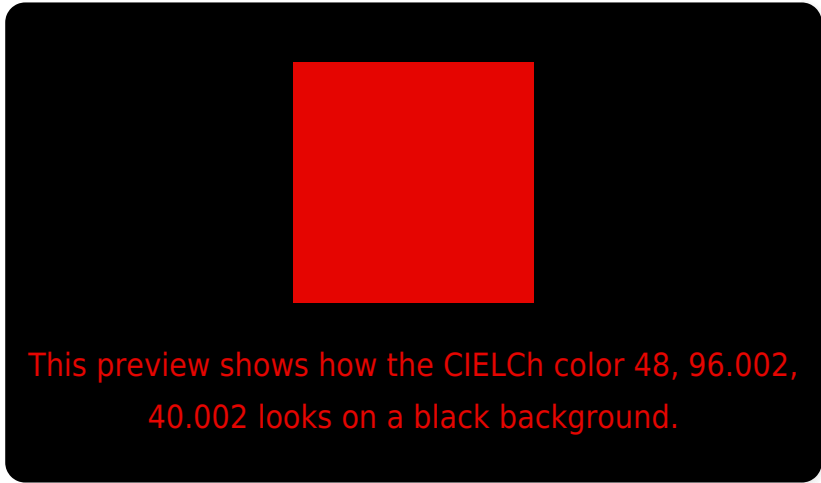
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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, 96.002, 40.002

Background



This preview shows how black text looks on a background with the CIELCh color 48, 96.002, 40.002.



This preview shows how white text looks on a background with the CIELCh color 48, 96.002, 40.002.

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, 95.947, 40.037

Protanopia

49, 46.673, 95.543

Tritanopia

48, 94.421, 40.887

Trichromacy



Original Color
48, 95.947, 40.037

Protanomaly
43, 58.174, 54.184

Tritanomaly
48, 95.227, 40.559

Monochromacy



Original Color
48, 95.947, 40.037

Achromatopsia
30, 0.005, 296.813

Achromatomaly
32, 40.262, 28.632

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 96.002, 40.002 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(229, 5, 1)` looks like.

```
.text, #text, p{  
    color:rgb(229, 5, 1)  
}
```

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(229, 5, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 5, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 96.002, 40.002 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(229, 5, 1) }
```

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

```
.border{ border-color:rgb(229, 5, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 5, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 5, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(229, 5, 1); box-shadow:4px  
4px 4px 4px rgb(229, 5, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 96.002, 40.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 5, 1) }
```

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

```
.background{ background-color: rgb(229, 5,  
1) }
```

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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