

Converting Colors

CIELCh(48, 96.257, 39.767)

Have a look what the booklet for
CIELCh(48, 96.257, 39.767) contains.

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Color

CIELCh(48, 96.305, 39.761)

Conversions

Conversions Part 1

Format	Color
Hex	E60002
RGB	230, 0, 2
RGB Percent	90%, 0%, 1%
CMY	0.0990, 0.9987, 0.9929
CMYK	0.00, 1.00, 0.99, 0.10
HSL	360°, 100%, 45%
HSV	360°, 100%, 90%
XYZ	32.5714, 16.7945, 1.5768
YIQ	68.9980, 136.4380, 49.3820

Conversions

Conversions Part 2

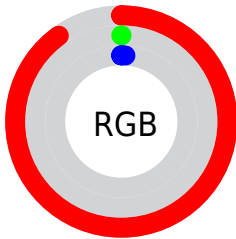
Format	Color
RYB	230, 0, 2
Decimal	15073282
CIELab	48.00, 74.03, 61.60
CIELCh	48, 96.305, 39.761
Yxy	16.7945, 0.6394, 0.3297
Android (android.graphics.Color)	4293263362 (0xFFE60002)
YUV	68.9980, -33.0300, 141.1988
Hunter-Lab	40.9810, 70.1535, 26.4055

Details

The CIELCh color **48, 96.305, 39.761** 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 **83, 46.529, 195.392**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 79.946, 40.639**, and **34, 74.931, 39.792** is the 20% darker color. If you saturate the color by 10%, you get **48, 96.380, 39.796**, and if you desaturate by 10%, it is **49, 90.460, 37.239**.

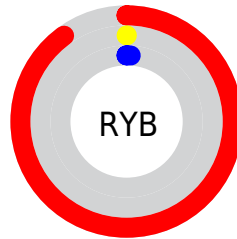
Distribution



Red (90%)

Green (0%)

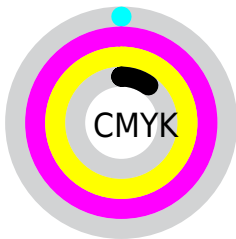
Blue (1%)



Red (90%)

Yellow (0%)

Blue (1%)

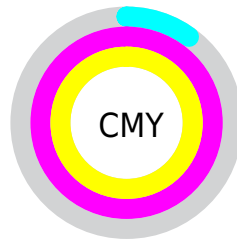


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (10%)



Cyan (10%)

Magenta (100%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 96.305, 39.761 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, 96.305, 39.761 by changing the saturation by 10% instead.

 48, 96.305, 39.761

 48, 96.305, 39.761

 100, 96.305,
39.761

 38, 96.305, 39.761

 68, 96.305, 39.761

 28, 96.305, 39.761

 78, 96.305, 39.761

 18, 96.305, 39.761

 88, 96.305, 39.761

 8, 96.305, 39.761

 98, 96.305, 39.761

 0, 96.305, 39.761

 48, 96.305, 39.761

 48, 96.305, 39.761

 48, 96.380, 39.796

 49, 90.460, 37.239

 51, 81.576, 33.679

■ 54, 71.136, 30.127

■ 57, 60.065, 27.103

■ 62, 48.864, 24.700

■ 67, 37.894, 22.844

■ 73, 27.409, 21.421

■ 79, 17.551, 20.323

■ 85, 8.378, 19.447

Harmonies

Complementary

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



48, 96.305, 39.761



83, 46.529, 195.392

Rectangle

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



48, 96.305, 39.761



48, 96.305, 89.761



48, 96.305, 219.761



48, 96.305, 269.761

Sweetspot

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



48, 96.301, 39.763



80, 30.005, 21.460



54, 106.862, 327.565



40, 20.785, 22.023



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, 96.301, 39.763



53, 104.317, 39.821



60, 79.528, 58.702



45, 4.816, 19.415



37, 79.696, 39.709



6, 27.083, 21.494

Inverse Universe

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



48, 96.301, 39.763



53, 104.317, 39.821



51, 65.339, 283.017



45, 4.816, 19.415



37, 79.696, 39.709



6, 27.083, 21.494

Previews

White Background



This preview shows how the CIELCh color 48, 96.305, 39.761 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 CIE LCh color 48, 96.305, 39.761 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, 96.305, 39.761

Background



This preview shows how black text looks on a background with the CIELCh color 48, 96.305, 39.761.



This preview shows how white text looks on a background with the CIELCh color 48, 96.305, 39.761.

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, 96.359, 39.725

Protanopia

49, 46.673, 95.543

Deuteranopia

49, 55.471, 84.138



Tritanopia
48, 94.747, 40.878

Trichromacy



Original Color
48, 96.359, 39.725

Protanomaly
43, 58.521, 53.175

Deuteranomaly
44, 67.553, 52.969

Tritanomaly
48, 95.499, 40.329

Monochromacy



Original Color
48, 96.359, 39.725

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 40.531, 27.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 96.305, 39.761 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(230, 0, 2)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 2)  
}
```

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(230, 0, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 96.305, 39.761 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(230, 0, 2) }
```

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

```
.border{ border-color:rgb(230, 0, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 0, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(230, 0, 2); box-shadow:4px  
4px 4px 4px rgb(230, 0, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 96.305, 39.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 2) }
```

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

```
.background{ background-color: rgb(230, 0,  
2) }
```

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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