

Converting Colors

CIELCh(48, 95.751, 40.513)

Have a look what the booklet for
CIELCh(48, 95.751, 40.513) contains.

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Color

CIELCh(48, 95.482, 40.391)

Conversions

Conversions Part 1

Format	Color
Hex	E40C00
RGB	228, 12, 0
RGB Percent	89%, 5%, 0%
CMY	0.1049, 0.9536, 0.9992
CMYK	0.00, 0.95, 1.00, 0.10
HSL	3°, 100%, 45%
HSV	3°, 100%, 90%
XYZ	32.2073, 16.7945, 1.5501
YIQ	75.2160, 132.5880, 42.0600

Conversions

Conversions Part 2

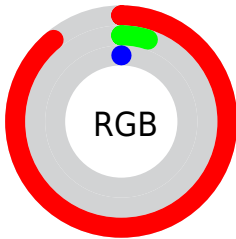
Format	Color
R_{YB}	228, 13, 0
Decimal	14945280
CIE _{Lab}	48.00, 72.72, 61.87
CIE _{LCh}	48, 95.482, 40.391
Yxy	16.7945, 0.6371, 0.3322
Android (android.graphics.Color)	4293135360 (0xFFE40C00)
YUV	75.2160, -37.0815, 133.9916
Hunter-Lab	40.9810, 68.5677, 26.4441

Details

The CIELCh color **48, 95.482, 40.391** 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 **79, 43.037, 204.968**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 79.820, 41.464**, and **33, 74.214, 39.752** is the 20% darker color. If you saturate the color by 10%, you get **48, 95.529, 40.414**, and if you desaturate by 10%, it is **49, 89.200, 38.438**.

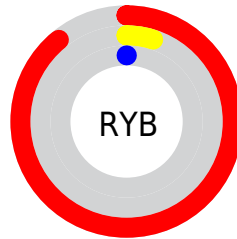
Distribution



Red (89%)

Green (5%)

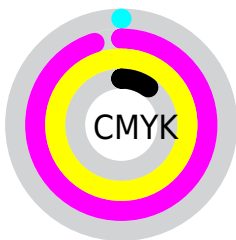
Blue (0%)



Red (89%)

Yellow (5%)

Blue (0%)

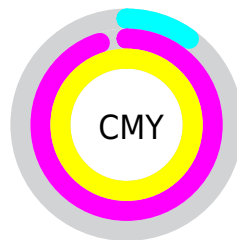


Cyan (0%)

Magenta (95%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (95%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 95.482, 40.391 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, 95.482, 40.391 by changing the saturation by 10% instead.

 48, 95.482, 40.391

 48, 95.482, 40.391

 100, 95.482,
40.391

 38, 95.482, 40.391

 68, 95.482, 40.391

 28, 95.482, 40.391

 78, 95.482, 40.391

 18, 95.482, 40.391

 88, 95.482, 40.391

 8, 95.482, 40.391

 98, 95.482, 40.391

 0, 95.482, 40.391

 48, 95.482, 40.391

 48, 95.482, 40.391

 48, 95.529, 40.414

 49, 89.200, 38.438

 51, 79.875, 35.671

■ 54, 69.114, 32.820

■ 58, 57.942, 30.366

■ 63, 46.866, 28.411

■ 68, 36.192, 26.908

■ 73, 26.105, 25.774

■ 79, 16.693, 24.920

■ 85, 7.976, 24.257

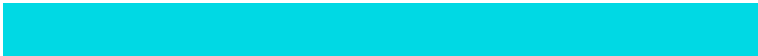
Harmonies

Complementary

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



48, 95.482, 40.391



79, 43.037, 204.968

Rectangle

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



48, 95.482, 40.391



48, 95.482, 90.391



48, 95.482, 220.391



48, 95.482, 270.391

Sweetspot

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



48, 95.478, 40.393



81, 28.677, 25.801



54, 102.129, 330.353



40, 19.891, 26.246



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, 95.478, 40.393



54, 103.957, 40.364



63, 77.120, 64.350



45, 4.584, 24.230



37, 79.282, 40.546



7, 26.141, 24.381

Inverse Universe

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



79, 43.037, 204.968



87, 46.783, 205.031



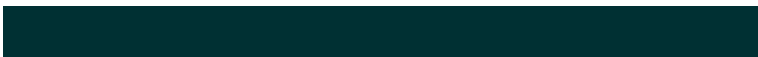
46, 74.241, 289.174



47, 4.312, 203.610



63, 35.845, 204.828



17, 15.185, 203.443

Previews

White Background



This preview shows how the CIELCh color 48, 95.482, 40.391 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, 95.482, 40.391 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, 95.482, 40.391

Background



This preview shows how black text looks on a background with the CIELCh color 48, 95.482, 40.391.



This preview shows how white text looks on a background with the CIELCh color 48, 95.482, 40.391.

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, 95.423, 40.430

Protanopia

49, 47.050, 95.555

Tritanopia

48, 94.421, 40.887

Trichromacy



Original Color
48, 95.423, 40.430

Protanomaly
44, 58.127, 55.439

Tritanomaly
48, 94.677, 40.715

Monochromacy



Original Color
48, 95.423, 40.430

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 39.126, 30.395

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 95.482, 40.391 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(228, 12, 0)` looks like.

```
.text, #text, p{  
    color:rgb(228, 12, 0)  
}
```

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(228, 12, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 12, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 95.482, 40.391 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(228, 12, 0) }
```

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

```
.border{ border-color:rgb(228, 12, 0) }
```

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

Here you see how a box with a 4 pixel rgb(228, 12, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 12, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 12, 0);  
box-shadow:4px 4px 4px 4px rgb(228, 12, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 95.482, 40.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 12, 0) }
```

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

```
.background{ background-color: rgb(228, 12,  
0) }
```

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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