

Converting Colors

CIELCh(48, 90.633, 36.003)

Have a look what the booklet for
CIELCh(48, 90.633, 36.003) contains.

CIELCh(48, 90.586, 36.062)	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>	25

Color

CIELCh(48, 90.586, 36.062)

Conversions

Conversions Part 1

Format	Color
Hex	E4091A
RGB	228, 9, 26
RGB Percent	89%, 4%, 10%
CMY	0.1050, 0.9656, 0.8974
CMYK	0.00, 0.96, 0.89, 0.11
HSL	355°, 93%, 46%
HSV	355°, 96%, 89%
XYZ	32.3475, 16.7945, 2.5233
YIQ	76.4190, 125.0670, 51.7150

Conversions

Conversions Part 2

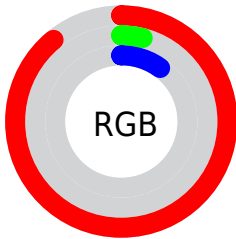
Format	Color
RYB	228, 9, 26
Decimal	14944538
CIELab	48.00, 73.23, 53.32
CIElCh	48, 90.586, 36.062
Yxy	16.7945, 0.6261, 0.3251
Android (android.graphics.Color)	4293134618 (0xFFE4091A)
YUV	76.4190, -24.8566, 132.9365
Hunter-Lab	40.9810, 69.1783, 25.0362

Details

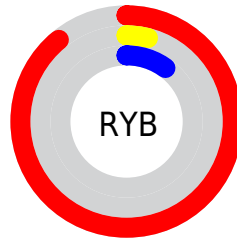
The CIELCh color **48, 90.586, 36.062** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **82, 49.159, 185.222**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 74.975, 36.245**, and **33, 74.214, 39.752** is the 20% darker color. If you saturate the color by 10%, you get **48, 92.900, 37.383**, and if you desaturate by 10%, it is **49, 83.214, 31.774**.

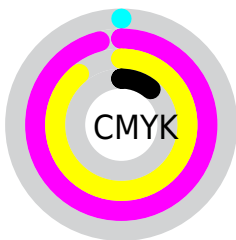
Distribution



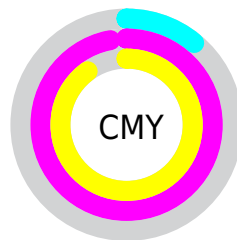
- Red (89%)
- Green (4%)
- Blue (10%)



- Red (89%)
- Yellow (4%)
- Blue (10%)



- Cyan (0%)
- Magenta (96%)
- Yellow (89%)
- Black (11%)



- Cyan (11%)
- Magenta (97%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 90.586, 36.062 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, 90.586, 36.062 by changing the saturation by 10% instead.

 48, 90.586, 36.062

 48, 90.586, 36.062

 100, 90.586,
36.062

 38, 90.586, 36.062

 68, 90.586, 36.062

 28, 90.586, 36.062

 78, 90.586, 36.062

 18, 90.586, 36.062

 88, 90.586, 36.062

 8, 90.586, 36.062

 98, 90.586, 36.062

 0, 90.586, 36.062

 48, 90.586, 36.062

 48, 90.586, 36.062

 48, 92.900, 37.383

 49, 83.214, 31.774

 51, 74.343, 27.519

■ 55, 64.561, 23.857

■ 59, 54.241, 20.905

■ 64, 43.745, 18.587

■ 69, 33.400, 16.775

■ 75, 23.441, 15.347

■ 81, 14.008, 14.199

■ 87, 5.158, 13.212

Harmonies

Complementary

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



48, 90.586, 36.062



82, 49.159, 185.222

Rectangle

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



48, 90.586, 36.062



48, 90.586, 86.062



48, 90.586, 216.062



48, 90.586, 266.062

Sweetspot

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



48, 90.583, 36.064



81, 28.709, 15.744



51, 106.064, 325.024



40, 19.957, 16.358



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, 90.583, 36.064



53, 101.320, 37.613



58, 79.666, 54.598



45, 4.835, 13.535



37, 76.695, 36.741



6, 26.868, 18.483

Inverse Universe

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



48, 90.583, 36.064



53, 101.320, 37.613



56, 54.772, 273.447



45, 4.835, 13.535



37, 76.695, 36.741



6, 26.868, 18.483

Previews

White Background



This preview shows how the CIELCh color 48, 90.586, 36.062 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, 90.586, 36.062 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, 90.586, 36.062

Background



This preview shows how black text looks on a background with the CIELCh color 48, 90.586, 36.062.



This preview shows how white text looks on a background with the CIELCh color 48, 90.586, 36.062.

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, 90.534, 36.102

Protanopia

49, 39.659, 95.824

Tritanopia

48, 94.421, 40.887

Trichromacy



Original Color
48, 90.534, 36.102

Protanomaly
43, 51.319, 48.867

Tritanomaly
48, 93.022, 39.327

Monochromacy



Original Color
48, 90.534, 36.102

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 37.172, 21.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 90.586, 36.062 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, 9, 26)` looks like.

```
.text, #text, p{  
  color:rgb(228, 9, 26)  
}
```

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, 9, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 9, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 90.586, 36.062 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, 9, 26) }
```

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

```
.border{ border-color:rgb(228, 9, 26) }
```

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

Here you see how a box with a 4 pixel rgb(228, 9, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 9, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 9, 26);  
box-shadow:4px 4px 4px 4px rgb(228, 9, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 90.586, 36.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 9, 26) }
```

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

```
.background{ background-color: rgb(228, 9,  
26) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor