

Converting Colors

CIELCh(47, 92.715, 41.200)

Have a look what the booklet for
CIELCh(47, 92.715, 41.200) contains.

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Color

CIELCh(47, 92.360, 41.009)

Conversions

Conversions Part 1

Format	Color
Hex	DD1700
RGB	221, 23, 0
RGB Percent	87%, 9%, 0%
CMY	0.1321, 0.9113, 0.9990
CMYK	0.00, 0.90, 1.00, 0.13
HSL	6°, 100%, 43%
HSV	6°, 100%, 87%
XYZ	30.2159, 16.0195, 1.5067
YIQ	79.5800, 125.3910, 34.8230

Conversions

Conversions Part 2

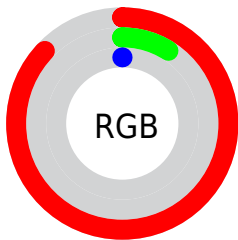
Format	Color
RYB	221, 26, 0
Decimal	14489344
CIELab	47.00, 69.70, 60.60
CIElCh	47, 92.360, 41.009
Yxy	16.0195, 0.6329, 0.3355
Android (android.graphics.Color)	4292679424 (0xFFDD1700)
YUV	79.5800, -39.2329, 124.0253
Hunter-Lab	40.0243, 64.7140, 25.7850

Details

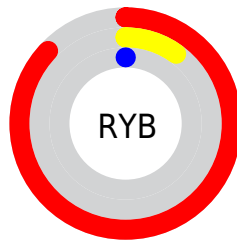
The CIELCh color **47, 92.360, 41.009** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **74, 40.031, 214.647**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 79.407, 42.028**, and **32, 71.668, 39.584** is the 20% darker color. If you saturate the color by 10%, you get **47, 92.427, 41.032**, and if you desaturate by 10%, it is **48, 85.592, 39.633**.

Distribution



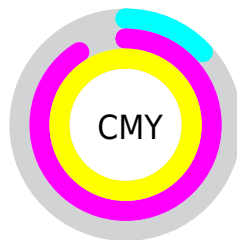
- Red (87%)
- Green (9%)
- Blue (0%)



- Red (87%)
- Yellow (10%)
- Blue (0%)



- Cyan (0%)
- Magenta (90%)
- Yellow (100%)
- Black (13%)



- Cyan (13%)
- Magenta (91%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 92.360, 41.009 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 47, 92.360, 41.009 by changing the saturation by 10% instead.

■ 47, 92.360, 41.009

■ 47, 92.360, 41.009

■ 100, 92.360,
41.009

■ 37, 92.360, 41.009

■ 67, 92.360, 41.009

■ 27, 92.360, 41.009

■ 77, 92.360, 41.009

■ 17, 92.360, 41.009

■ 87, 92.360, 41.009

■ 7, 92.360, 41.009

■ 97, 92.360, 41.009

■ 0, 92.360, 41.009

■ 47, 92.360, 41.009

■ 47, 92.360, 41.009

■ 47, 92.427, 41.032

■ 48, 85.592, 39.633

■ 51, 76.129, 37.554

■ 54, 65.466, 35.350

■ 58, 54.592, 33.441

■ 62, 43.973, 31.927

■ 67, 33.854, 30.783

■ 72, 24.366, 29.945

■ 77, 15.555, 29.344

■ 83, 7.418, 28.902

Harmonies

Complementary

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



47, 92.360, 41.009



74, 40.031, 214.647

Rectangle

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



47, 92.360, 41.009



47, 92.360, 91.009



47, 92.360, 221.009



47, 92.360, 271.009

Sweetspot

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



47, 92.357, 41.011



82, 27.477, 29.970



51, 95.905, 332.714



41, 19.073, 30.297



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 92.357, 41.011



54, 103.034, 40.927



63, 74.419, 68.988



43, 4.220, 28.883



37, 76.735, 41.245



6, 22.287, 25.482

Inverse Universe

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



74, 40.031, 214.647



84, 44.529, 214.831



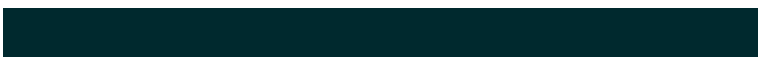
42, 79.418, 292.866



45, 3.970, 208.654



59, 33.409, 214.333



14, 13.614, 210.905

Previews

White Background



This preview shows how the CIELCh color 47, 92.360, 41.009 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 47, 92.360, 41.009 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 47, 92.360, 41.009

Background



This preview shows how black text looks on a background with the CIELCh color 47, 92.360, 41.009.



This preview shows how white text looks on a background with the CIELCh color 47, 92.360, 41.009.

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

47, 92.262, 41.078

Protanopia

48, 46.209, 95.362

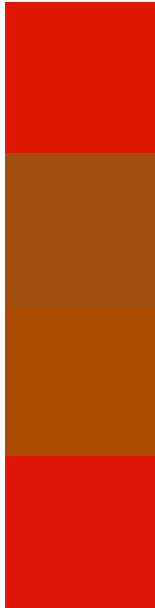
Deuteranopia

47, 54.371, 84.201



Tritanopia
47, 90.048, 39.177

Trichromacy



Original Color
47, 92.262, 41.078

Protanomaly
43, 56.167, 57.953

Deuteranomaly
44, 64.714, 56.482

Tritanomaly
47, 90.911, 39.882

Monochromacy



Original Color
47, 92.262, 41.078

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 36.758, 33.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 92.360, 41.009 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(221, 23, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 23, 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(221, 23, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 23, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 92.360, 41.009 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(221, 23, 0) }
```

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

```
.border{ border-color:rgb(221, 23, 0) }
```

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

Here you see how a box with a 4 pixel rgb(221, 23, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 23, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 23, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 23, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 92.360, 41.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 23, 0) }
```

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

```
.background{ background-color: rgb(221, 23,  
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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