

Converting Colors

CIELCh(47, 92.149, 41.345)

Have a look what the booklet for
CIELCh(47, 92.149, 41.345) contains.

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Color

CIELCh(47, 92.054, 41.223)

Conversions

Conversions Part 1

Format	Color
Hex	DD1900
RGB	221, 25, 0
RGB Percent	87%, 10%, 0%
CMY	0.1342, 0.9032, 1.0000
CMYK	0.00, 0.89, 1.00, 0.13
HSL	7°, 100%, 43%
HSV	7°, 100%, 87%
XYZ	30.0947, 16.0195, 1.5012
YIQ	80.7540, 124.8410, 33.7770

Conversions

Conversions Part 2

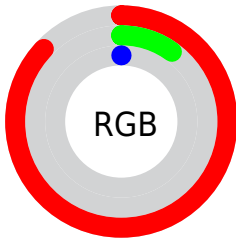
Format	Color
RYB	221, 28, 0
Decimal	14489856
CIELab	47.00, 69.24, 60.66
CIElCh	47, 92.054, 41.223
Yxy	16.0195, 0.6320, 0.3364
Android (android.graphics.Color)	4292679936 (0xFFDD1900)
YUV	80.7540, -39.8117, 122.9957
Hunter-Lab	40.0243, 64.1734, 25.7932

Details

The CIELCh color **47, 92.054, 41.223** 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 **73, 39.674, 216.852**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 79.201, 42.315**, and **32, 71.668, 39.584** is the 20% darker color. If you saturate the color by 10%, you get **47, 92.020, 41.202**, and if you desaturate by 10%, it is **49, 85.190, 39.955**.

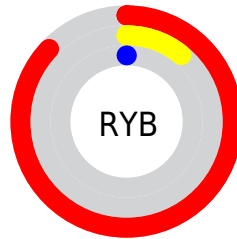
Distribution



Red (87%)

Green (10%)

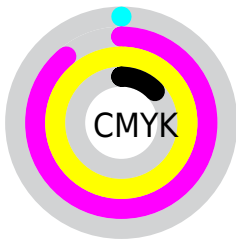
Blue (0%)



Red (87%)

Yellow (11%)

Blue (0%)

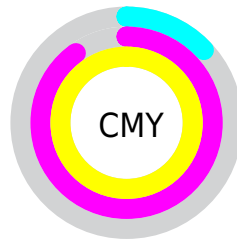


Cyan (0%)

Magenta (89%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (90%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 92.054, 41.223 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, 92.054, 41.223 by changing the saturation by 10% instead.

 47, 92.054, 41.223

 47, 92.054, 41.223

 100, 92.054,
41.223

 37, 92.054, 41.223

 67, 92.054, 41.223

 27, 92.054, 41.223

 77, 92.054, 41.223

 17, 92.054, 41.223

 87, 92.054, 41.223

 7, 92.054, 41.223

 97, 92.054, 41.223

 0, 92.054, 41.223

 47, 92.054, 41.223

 47, 92.054, 41.223

 47, 92.020, 41.202

 49, 85.190, 39.955

 51, 75.716, 38.027

■ 54, 65.065, 35.955

■ 58, 54.228, 34.155

■ 62, 43.667, 32.729

■ 67, 33.623, 31.658

■ 72, 24.215, 30.881

■ 77, 15.486, 30.334

■ 83, 7.427, 29.940

Harmonies

Complementary

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



47, 92.054, 41.223



73, 39.674, 216.852

Rectangle

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



47, 92.054, 41.223



47, 92.054, 91.223



47, 92.054, 221.223



47, 92.054, 271.223

Sweetspot

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



47, 92.020, 41.202



82, 27.243, 30.897



51, 95.746, 332.718



41, 18.913, 31.198



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, 92.020, 41.202



54, 102.779, 41.086



63, 74.325, 68.964



43, 4.183, 29.919



37, 76.524, 41.436



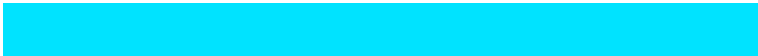
6, 22.133, 26.072

Inverse Universe

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



73, 39.674, 216.852



83, 44.210, 217.040



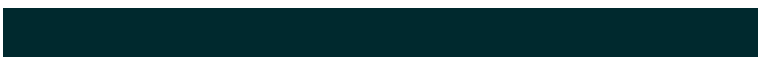
42, 79.361, 292.902



45, 3.935, 209.777



58, 33.165, 216.478



14, 13.510, 212.617

Previews

White Background



This preview shows how the CIELCh color 47, 92.054, 41.223 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, 92.054, 41.223 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, 92.054, 41.223

Background



This preview shows how black text looks on a background with the CIELCh color 47, 92.054, 41.223.



This preview shows how white text looks on a background with the CIELCh color 47, 92.054, 41.223.

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, 92.054, 41.223

Protanopia

48, 46.209, 95.362

Tritanopia

47, 89.061, 38.656

Trichromacy



Original Color
47, 92.054, 41.223

Protanomaly
44, 56.030, 58.516

Tritanomaly
47, 90.211, 39.621

Monochromacy



Original Color
47, 92.054, 41.223

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 35.793, 33.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 92.054, 41.223 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, 25, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 25, 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, 25, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 25, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 92.054, 41.223 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, 25, 0) }
```

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

```
.border{ border-color:rgb(221, 25, 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, 25, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 25, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 25, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 25, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 92.054, 41.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 25, 0) }
```

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

```
.background{ background-color: rgb(221, 25,  
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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