

Converting Colors

CIELCh(48, 79.911, 47.410)

Have a look what the booklet for
CIELCh(48, 79.911, 47.410) contains.

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Color

CIELCh(48, 79.881, 47.434)

Conversions

Conversions Part 1

Format	Color
Hex	CE4002
RGB	206, 64, 2
RGB Percent	81%, 25%, 1%
CMY	0.1921, 0.7490, 0.9921
CMYK	0.00, 0.69, 0.99, 0.19
HSL	18°, 98%, 41%
HSV	18°, 99%, 81%
XYZ	27.3000, 16.7945, 1.8604
YIQ	99.3900, 104.5340, 10.8220

Conversions

Conversions Part 2

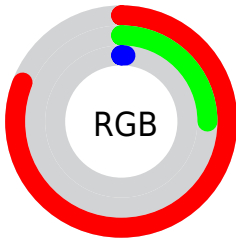
Format	Color
R_{YB}	206, 91, 2
Decimal	13516802
CIE _{Lab}	48.00, 54.03, 58.83
CIE _{LCh}	48, 79.881, 47.434
Yxy	16.7945, 0.5941, 0.3655
Android (android.graphics.Color)	4291706882 (0xFFCE4002)
YUV	99.3900, -48.0133, 93.4970
Hunter-Lab	40.9810, 47.1930, 25.9951

Details

The CIELCh color **48, 79.881, 47.434** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **57, 41.870, 256.790**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 73.549, 48.906**, and **29, 67.168, 39.169** is the 20% darker color. If you saturate the color by 10%, you get **48, 80.551, 47.372**, and if you desaturate by 10%, it is **50, 72.867, 48.522**.

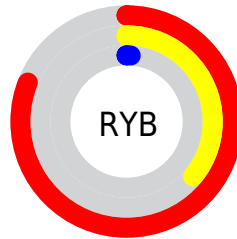
Distribution



Red (81%)

Green (25%)

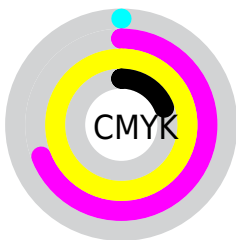
Blue (1%)



Red (81%)

Yellow (36%)

Blue (1%)

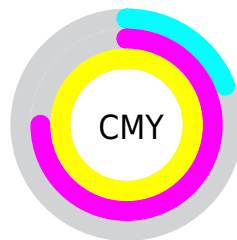


Cyan (0%)

Magenta (69%)

Yellow (99%)

Black (19%)



Cyan (19%)

Magenta (75%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 79.881, 47.434 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, 79.881, 47.434 by changing the saturation by 10% instead.

48, 79.881, 47.434

48, 79.881, 47.434

100, 79.881,
47.434

38, 79.881, 47.434

68, 79.881, 47.434

28, 79.881, 47.434

78, 79.881, 47.434

18, 79.881, 47.434

88, 79.881, 47.434

8, 79.881, 47.434

98, 79.881, 47.434

0, 79.881, 47.434

48, 79.881, 47.434

48, 79.881, 47.434

48, 80.551, 47.372

50, 72.867, 48.522

53, 64.085, 48.974

56, 54.601, 49.121

59, 45.184, 49.251

63, 36.176, 49.472

67, 27.710, 49.810

71, 19.824, 50.257

75, 12.504, 50.789

79, 5.712, 51.358

Harmonies

Complementary

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



48, 79.881, 47.434



57, 41.870, 256.790

Rectangle

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



48, 79.881, 47.434



48, 79.881, 97.434



48, 79.881, 227.434



48, 79.881, 277.434

Sweetspot

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



48, 79.878, 47.436



85, 24.492, 50.191



46, 78.441, 344.860



43, 16.989, 49.994



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, 79.878, 47.436



59, 95.043, 46.963



70, 72.526, 87.892



41, 3.567, 51.338



39, 68.136, 47.893



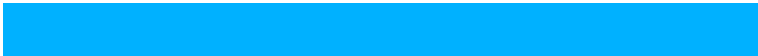
6, 15.239, 37.611

Inverse Universe

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



57, 41.870, 256.790



69, 49.764, 257.955



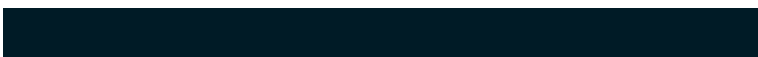
30, 99.408, 302.409



41, 3.394, 232.856



46, 35.555, 256.398



8, 12.117, 244.818

Previews

White Background



This preview shows how the CIELCh color 48, 79.881, 47.434 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, 79.881, 47.434 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, 79.881, 47.434

Background



This preview shows how black text looks on a background with the CIELCh color 48, 79.881, 47.434.



This preview shows how white text looks on a background with the CIELCh color 48, 79.881, 47.434.

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, 79.881, 47.434

Protanopia

48, 49.083, 95.551

Deuteranopia

48, 55.165, 84.000



Tritanopia
48, 66.228, 29.898

Trichromacy



Original Color
48, 79.881, 47.434

Protanomaly
46, 54.220, 69.403

Deuteranomaly
47, 60.608, 65.663

Tritanomaly
48, 72.003, 38.713

Monochromacy



Original Color
48, 79.881, 47.434

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 28.930, 48.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 79.881, 47.434 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(206, 64, 2)` looks like.

```
.text, #text, p{  
    color:rgb(206, 64, 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(206, 64, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 64, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 79.881, 47.434 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(206, 64, 2) }
```

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

```
.border{ border-color:rgb(206, 64, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 64, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 64, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 64, 2);  
box-shadow:4px 4px 4px 4px rgb(206, 64, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 79.881, 47.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 64, 2) }
```

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

```
.background{ background-color: rgb(206, 64,  
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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