

Converting Colors

CIELCh(49, 78.047, 49.020)

Have a look what the booklet for
CIELCh(49, 78.047, 49.020) contains.

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Color

CIELCh(49, 78.043, 48.987)

Conversions

Conversions Part 1

Format	Color
Hex	CE4704
RGB	206, 71, 4
RGB Percent	81%, 28%, 2%
CMY	0.1928, 0.7221, 0.9850
CMYK	0.00, 0.66, 0.98, 0.19
HSL	20°, 96%, 41%
HSV	20°, 98%, 81%
XYZ	27.6715, 17.5941, 2.0471
YIQ	103.7270, 101.9670, 7.7830

Conversions

Conversions Part 2

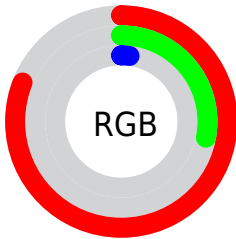
Format	Color
RYB	206, 104, 4
Decimal	13518596
CIELab	49.00, 51.21, 58.89
CIElCh	49, 78.043, 48.987
Yxy	17.5941, 0.5849, 0.3719
Android (android.graphics.Color)	4291708676 (0xFFCE4704)
YUV	103.7270, -49.1654, 89.6934
Hunter-Lab	41.9453, 44.3532, 26.4681

Details

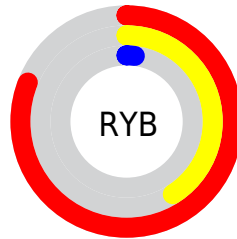
The CIELCh color **49, 78.043, 48.987** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **55, 43.619, 261.327**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 71.915, 50.720**, and **29, 66.879, 39.519** is the 20% darker color. If you saturate the color by 10%, you get **49, 79.280, 48.791**, and if you desaturate by 10%, it is **51, 71.113, 50.369**.

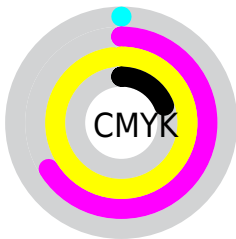
Distribution



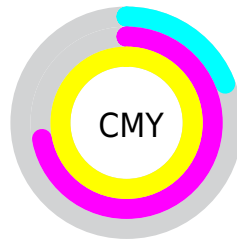
- Red (81%)
- Green (28%)
- Blue (2%)



- Red (81%)
- Yellow (41%)
- Blue (2%)



- Cyan (0%)
- Magenta (66%)
- Yellow (98%)
- Black (19%)



- Cyan (19%)
- Magenta (72%)
- Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 78.043, 48.987 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 49, 78.043, 48.987 by changing the saturation by 10% instead.

49, 78.043, 48.987

49, 78.043, 48.987

100, 78.043,
48.987

39, 78.043, 48.987

69, 78.043, 48.987

29, 78.043, 48.987

79, 78.043, 48.987

19, 78.043, 48.987

89, 78.043, 48.987

9, 78.043, 48.987

99, 78.043, 48.987

0, 78.043, 48.987

49, 78.043, 48.987

49, 78.043, 48.987

49, 79.280, 48.791

51, 71.113, 50.369

54, 62.446, 51.071

■ 57, 53.145, 51.476

■ 60, 43.922, 51.845

■ 64, 35.097, 52.279

■ 68, 26.795, 52.804

■ 71, 19.046, 53.416

■ 75, 11.835, 54.093

■ 79, 5.124, 54.786

Harmonies

Complementary

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



49, 78.043, 48.987



55, 43.619, 261.327

Rectangle

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



49, 78.043, 48.987



49, 78.043, 98.987



49, 78.043, 228.987



49, 78.043, 278.987

Sweetspot

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



49, 78.040, 48.989



86, 23.457, 53.338



46, 77.541, 345.923



44, 16.357, 53.068



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 78.040, 48.989



60, 93.601, 48.354



70, 72.897, 89.449



41, 3.558, 54.704



39, 67.111, 49.342



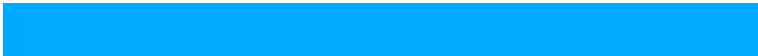
6, 15.049, 39.862

Inverse Universe

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



55, 43.619, 261.327



67, 52.298, 262.941



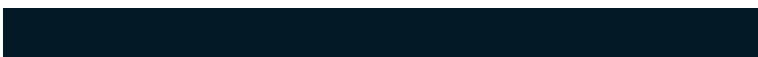
30, 100.318, 302.740



41, 3.397, 236.432



44, 37.258, 261.368



8, 12.397, 249.771

Previews

White Background



This preview shows how the CIELCh color 49, 78.043, 48.987 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 49, 78.043, 48.987 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 78.043, 48.987

Background



This preview shows how black text looks on a background with the CIELCh color 49, 78.043, 48.987.



This preview shows how white text looks on a background with the CIELCh color 49, 78.043, 48.987.

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

49, 78.043, 48.987

Protanopia

49, 49.929, 95.122

Deuteranopia

49, 55.957, 83.807



Tritanopia
49, 63.106, 28.429

Trichromacy



Original Color
49, 78.043, 48.987

Protanomaly
48, 54.777, 71.144

Deuteranomaly
48, 60.985, 66.630

Tritanomaly
49, 69.044, 39.044

Monochromacy



Original Color
49, 78.043, 48.987

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 27.967, 51.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 78.043, 48.987 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, 71, 4)` looks like.

```
.text, #text, p{  
    color:rgb(206, 71, 4)  
}
```

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, 71, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 71, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 78.043, 48.987 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, 71, 4) }
```

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

```
.border{ border-color:rgb(206, 71, 4) }
```

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

Here you see how a box with a 4 pixel rgb(206, 71, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 71, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 71, 4);  
box-shadow:4px 4px 4px 4px rgb(206, 71, 4)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 78.043, 48.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 71, 4) }
```

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

```
.background{ background-color: rgb(206, 71,  
4) }
```

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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