

Converting Colors

CIELCh(48, 79.705, 47.664)

Have a look what the booklet for
CIELCh(48, 79.705, 47.664) contains.

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Color

CIELCh(48, 79.671, 47.678)

Conversions

Conversions Part 1

Format	Color
Hex	CE4102
RGB	206, 65, 2
RGB Percent	81%, 25%, 1%
CMY	0.1940, 0.7466, 0.9939
CMYK	0.00, 0.69, 0.99, 0.19
HSL	19°, 99%, 41%
HSV	19°, 99%, 81%
XYZ	27.2027, 16.7945, 1.8524
YIQ	99.9770, 104.2590, 10.2990

Conversions

Conversions Part 2

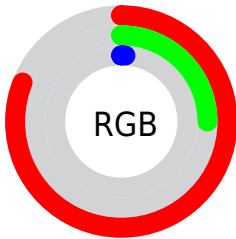
Format	Color
R_{YB}	206, 93, 2
Decimal	13517058
CIE Lab	48.00, 53.64, 58.91
CIE LCh	48, 79.671, 47.678
Yxy	16.7945, 0.5933, 0.3663
Android (android.graphics.Color)	4291707138 (0xFFCE4102)
YUV	99.9770, -48.3027, 92.9822
Hunter-Lab	40.9810, 46.7691, 26.0068

Details

The CIELCh color **48, 79.671, 47.678** 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 **56, 42.204, 257.836**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 73.378, 49.283**, and **29, 67.168, 39.169** is the 20% darker color. If you saturate the color by 10%, you get **48, 80.188, 47.628**, and if you desaturate by 10%, it is **50, 72.720, 48.820**.

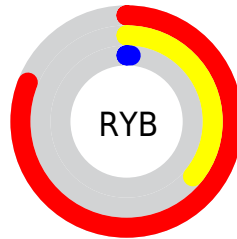
Distribution



Red (81%)

Green (25%)

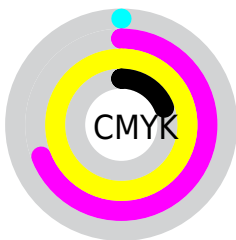
Blue (1%)



Red (81%)

Yellow (36%)

Blue (1%)

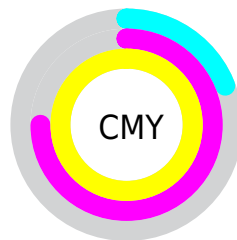


Cyan (0%)

Magenta (69%)

Yellow (99%)

Black (19%)



Cyan (19%)

Magenta (75%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 79.671, 47.678 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, 79.671, 47.678 by changing the saturation by 10% instead.

 48, 79.671, 47.678

 48, 79.671, 47.678

 100, 79.671,
47.678

 38, 79.671, 47.678

 68, 79.671, 47.678

 28, 79.671, 47.678

 78, 79.671, 47.678

 18, 79.671, 47.678

 88, 79.671, 47.678

 8, 79.671, 47.678

 98, 79.671, 47.678

 0, 79.671, 47.678

 48, 79.671, 47.678

 48, 79.671, 47.678

 48, 80.188, 47.628

 50, 72.720, 48.820

 53, 64.020, 49.340

■ 56, 54.593, 49.541

■ 59, 45.217, 49.714

■ 63, 36.240, 49.972

■ 67, 27.799, 50.341

■ 71, 19.931, 50.816

■ 75, 12.625, 51.373

■ 79, 5.842, 51.967

Harmonies

Complementary

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



48, 79.671, 47.678



56, 42.204, 257.836

Rectangle

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



48, 79.671, 47.678



48, 79.671, 97.678



48, 79.671, 227.678



48, 79.671, 277.678

Sweetspot

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



48, 79.668, 47.680



85, 24.462, 50.757



46, 78.321, 344.899



43, 16.966, 50.548



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, 79.668, 47.680



59, 94.779, 47.209



69, 72.446, 87.861



41, 3.564, 51.958



39, 67.947, 48.150



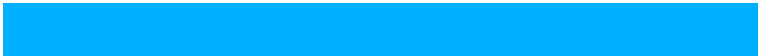
6, 15.203, 38.012

Inverse Universe

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



56, 42.204, 257.836



68, 50.204, 258.905



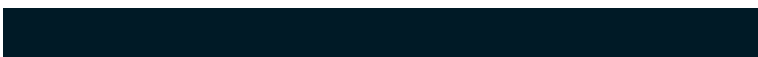
30, 99.426, 302.455



41, 3.393, 233.517



45, 35.850, 257.343



8, 12.162, 245.747

Previews

White Background



This preview shows how the CIELCh color 48, 79.671, 47.678 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, 79.671, 47.678 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, 79.671, 47.678

Background



This preview shows how black text looks on a background with the CIELCh color 48, 79.671, 47.678.



This preview shows how white text looks on a background with the CIELCh color 48, 79.671, 47.678.

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, 79.671, 47.678

Protanopia

48, 49.083, 95.551

Deuteranopia

48, 55.165, 84.000



Tritanopia
48, 65.989, 29.450

Trichromacy



Original Color
48, 79.671, 47.678

Protanomaly
47, 54.201, 70.037

Deuteranomaly
47, 60.608, 65.663

Tritanomaly
48, 71.099, 38.667

Monochromacy



Original Color
48, 79.671, 47.678

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 28.794, 50.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 79.671, 47.678 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, 65, 2)` looks like.

```
.text, #text, p{  
    color:rgb(206, 65, 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, 65, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 65, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 79.671, 47.678 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, 65, 2) }
```

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

```
.border{ border-color:rgb(206, 65, 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, 65, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 65, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 65, 2);  
box-shadow:4px 4px 4px 4px rgb(206, 65, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 79.671, 47.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 65, 2) }
```

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

```
.background{ background-color: rgb(206, 65,  
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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