

Converting Colors

CIELCh(49, 74.944, 49.893)

Have a look what the booklet for
CIELCh(49, 74.944, 49.893) contains.

CIELCh(49, 74.835, 49.983)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 74.835, 49.983)

Conversions

Conversions Part 1

Format	Color
Hex	CA4B09
RGB	202, 75, 9
RGB Percent	79%, 29%, 4%
CMY	0.2081, 0.7060, 0.9650
CMYK	0.00, 0.63, 0.96, 0.21
HSL	21°, 92%, 41%
HSV	21°, 96%, 79%
XYZ	26.9036, 17.5941, 2.2345
YIQ	105.4490, 96.8780, 6.3980

Conversions

Conversions Part 2

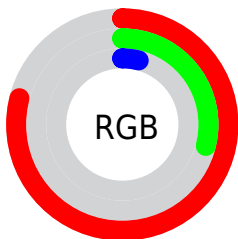
Format	Color
RYB	202, 109, 9
Decimal	13257481
CIELab	49.00, 48.12, 57.31
CIELCh	49, 74.835, 49.983
Yxy	17.5941, 0.5757, 0.3765
Android (android.graphics.Color)	4291447561 (0xFFCA4B09)
YUV	105.4490, -47.5494, 84.6752
Hunter-Lab	41.9453, 41.0854, 26.2033

Details

The CIELCh color **49, 74.835, 49.983** 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 **54, 42.980, 261.691**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 70.466, 51.170**, and **29, 64.000, 41.115** is the 20% darker color. If you saturate the color by 10%, you get **48, 77.681, 49.389**, and if you desaturate by 10%, it is **51, 67.622, 51.318**.

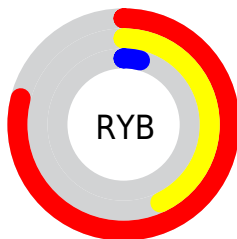
Distribution



Red (79%)

Green (29%)

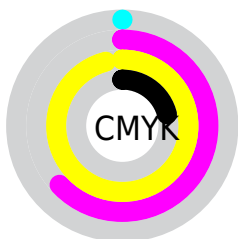
Blue (4%)



Red (79%)

Yellow (43%)

Blue (4%)

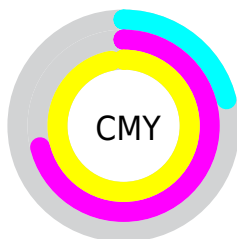


Cyan (0%)

Magenta (63%)

Yellow (96%)

Black (21%)



Cyan (21%)

Magenta (71%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 74.835, 49.983 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, 74.835, 49.983 by changing the saturation by 10% instead.

49, 74.835, 49.983

49, 74.835, 49.983

100, 74.835,
49.983

39, 74.835, 49.983

69, 74.835, 49.983

29, 74.835, 49.983

79, 74.835, 49.983

19, 74.835, 49.983

89, 74.835, 49.983

9, 74.835, 49.983

99, 74.835, 49.983

0, 74.835, 49.983

49, 74.835, 49.983

49, 74.835, 49.983

48, 77.681, 49.389

51, 67.622, 51.318

54, 58.904, 52.001

■ 57, 49.787, 52.469

■ 61, 40.844, 52.927

■ 64, 32.328, 53.452

■ 68, 24.328, 54.061

■ 71, 16.861, 54.744

■ 75, 9.906, 55.479

■ 79, 3.422, 56.186

Harmonies

Complementary

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



49, 74.835, 49.983



54, 42.980, 261.691

Rectangle

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



49, 74.835, 49.983



49, 74.835, 99.983



49, 74.835, 229.983



49, 74.835, 279.983

Sweetspot

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



49, 74.832, 49.985



86, 23.428, 54.475



45, 75.580, 346.590



44, 16.332, 54.182



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, 74.832, 49.985



60, 93.069, 48.899



70, 72.038, 91.183



41, 3.559, 55.935



40, 66.737, 49.905



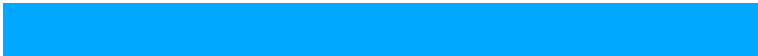
6, 14.981, 40.734

Inverse Universe

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



54, 42.980, 261.691



66, 53.313, 264.661



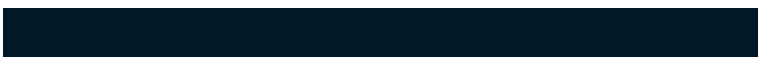
29, 98.190, 302.641



41, 3.402, 237.734



44, 37.943, 263.088



8, 12.518, 251.488

Previews

White Background



This preview shows how the CIELCh color 49, 74.835, 49.983 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, 74.835, 49.983 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, 74.835, 49.983

Background



This preview shows how black text looks on a background with the CIELCh color 49, 74.835, 49.983.



This preview shows how white text looks on a background with the CIELCh color 49, 74.835, 49.983.

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, 74.835, 49.983

Protanopia

49, 49.612, 95.113

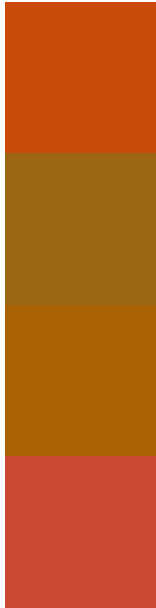
Deuteranopia

49, 55.957, 83.807



Tritanopia
49, 59.313, 26.979

Trichromacy



Original Color
49, 74.835, 49.983

Protanomaly
48, 53.435, 72.890

Deuteranomaly
48, 60.104, 67.844

Tritanomaly
49, 65.013, 38.630

Monochromacy



Original Color
49, 74.835, 49.983

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 26.591, 53.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 74.835, 49.983 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(202, 75, 9)` looks like.

```
.text, #text, p{  
    color:rgb(202, 75, 9)  
}
```

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(202, 75, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 75, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 74.835, 49.983 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(202, 75, 9) }
```

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

```
.border{ border-color:rgb(202, 75, 9) }
```

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

Here you see how a box with a 4 pixel rgb(202, 75, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 75, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 75, 9);  
box-shadow:4px 4px 4px 4px rgb(202, 75, 9)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 74.835, 49.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 75, 9) }
```

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

```
.background{ background-color: rgb(202, 75,  
9) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor