

Converting Colors

CIELCh(49, 74.248, 41.110)

Have a look what the booklet for
CIELCh(49, 74.248, 41.110) contains.

CIELCh(49, 74.422, 40.950)	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, 74.422, 40.950)

Conversions

Conversions Part 1

Format	Color
Hex	D34023
RGB	211, 64, 35
RGB Percent	83%, 25%, 14%
CMY	0.1732, 0.7496, 0.8632
CMYK	0.00, 0.70, 0.83, 0.17
HSL	10°, 72%, 48%
HSV	10°, 83%, 83%
XYZ	28.9419, 17.5941, 3.4509
YIQ	104.6470, 96.9210, 22.1450

Conversions

Conversions Part 2

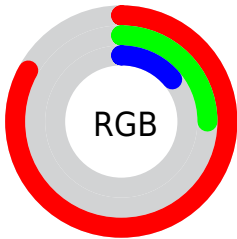
Format	Color
RYB	211, 70, 35
Decimal	13844515
CIELab	49.00, 56.21, 48.78
CIElCh	49, 74.422, 40.950
Yxy	17.5941, 0.5790, 0.3520
Android (android.graphics.Color)	4292034595 (0xFFD34023)
YUV	104.6470, -34.3360, 93.2716
Hunter-Lab	41.9453, 49.7592, 24.4838

Details

The CIELCh color **49, 74.422, 40.950** 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 **68, 36.437, 223.382**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 66.084, 42.273**, and **30, 69.064, 39.363** is the 20% darker color. If you saturate the color by 10%, you get **47, 83.006, 41.934**, and if you desaturate by 10%, it is **52, 64.353, 39.546**.

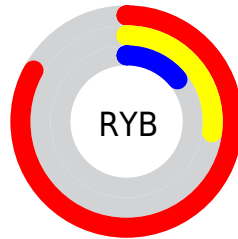
Distribution



Red (83%)

Green (25%)

Blue (14%)



Red (83%)

Yellow (27%)

Blue (14%)

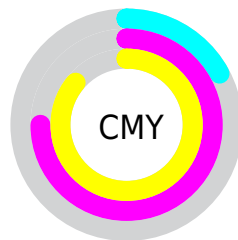


Cyan (0%)

Magenta (70%)

Yellow (83%)

Black (17%)



Cyan (17%)

Magenta (75%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 74.422, 40.950 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, 74.422, 40.950 by changing the saturation by 10% instead.

 49, 74.422, 40.950

 49, 74.422, 40.950

 100, 74.422,
40.950

 39, 74.422, 40.950

 69, 74.422, 40.950

 29, 74.422, 40.950

 79, 74.422, 40.950

 19, 74.422, 40.950

 89, 74.422, 40.950

 9, 74.422, 40.950

 99, 74.422, 40.950

 0, 74.422, 40.950

 49, 74.422, 40.950

 49, 74.422, 40.950

 47, 83.006, 41.934

 52, 64.353, 39.546

 46, 87.398, 42.331

 55, 54.003, 38.230

■ 59, 43.911, 37.175

■ 64, 34.328, 36.404

■ 68, 25.365, 35.886

■ 73, 17.054, 35.571

■ 78, 9.383, 35.405

■ 83, 2.313, 35.205

■ 88, 4.209, 215.669

Harmonies

Complementary

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



49, 74.422, 40.950



68, 36.437, 223.382

Rectangle

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



49, 74.422, 40.950



49, 74.422, 90.950



49, 74.422, 220.950



49, 74.422, 270.950

Sweetspot

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



49, 74.419, 40.952



86, 21.370, 35.615



50, 85.852, 334.124



44, 14.799, 35.718



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, 74.419, 40.952



55, 101.200, 42.115



66, 65.227, 77.662



41, 3.864, 35.358



36, 73.536, 42.646



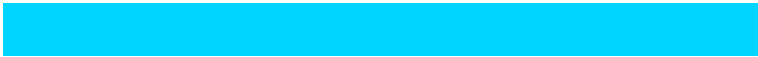
6, 18.132, 28.298

Inverse Universe

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



68, 36.437, 223.382



79, 43.545, 228.564



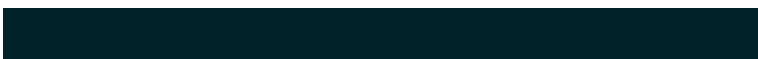
44, 68.359, 289.906



43, 3.640, 215.671



54, 31.895, 227.606



11, 12.273, 220.784

Previews

White Background



This preview shows how the CIELCh color 49, 74.422, 40.950 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, 74.422, 40.950 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, 74.422, 40.950

Background



This preview shows how black text looks on a background with the CIELCh color 49, 74.422, 40.950.



This preview shows how white text looks on a background with the CIELCh color 49, 74.422, 40.950.

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, 74.422, 40.950

Protanopia

49, 38.671, 95.798

Deuteranopia

49, 52.292, 83.012



Tritanopia
49, 67.756, 30.029

Trichromacy



Original Color
49, 74.422, 40.950

Protanomaly
47, 44.662, 63.528

Deuteranomaly
48, 56.516, 61.940

Tritanomaly
49, 70.115, 34.384

Monochromacy



Original Color
49, 74.422, 40.950

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 25.913, 35.673

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 74.422, 40.950 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(211, 64, 35)` looks like.

```
.text, #text, p{  
    color:rgb(211, 64, 35)  
}
```

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(211, 64, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 64, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 74.422, 40.950 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(211, 64, 35) }
```

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

```
.border{ border-color:rgb(211, 64, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 64, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 64, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 64, 35);  
box-shadow:4px 4px 4px 4px rgb(211, 64,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 74.422, 40.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 64, 35) }
```

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

```
.background{ background-color: rgb(211, 64,  
35) }
```

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