

Converting Colors

CIELCh(51, 81.900, 48.774)

Have a look what the booklet for
CIELCh(51, 81.900, 48.774) contains.

CIELCh(51, 82.052, 48.645)	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(51, 82.052, 48.645)

Conversions

Conversions Part 1

Format	Color
Hex	D84801
RGB	216, 72, 1
RGB Percent	85%, 28%, 0%
CMY	0.1525, 0.7172, 0.9955
CMYK	0.00, 0.67, 0.99, 0.15
HSL	20°, 99%, 43%
HSV	20°, 99%, 85%
XYZ	30.6857, 19.2686, 2.1344
YIQ	106.9620, 108.6150, 8.4470

Conversions

Conversions Part 2

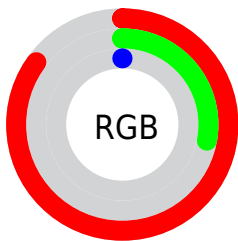
Format	Color
RYB	216, 107, 1
Decimal	14174209
CIELab	51.00, 54.21, 61.59
CIElCh	51, 82.052, 48.645
Yxy	19.2686, 0.5891, 0.3699
Android (android.graphics.Color)	4292364289 (0xFFD84801)
YUV	106.9620, -52.2393, 95.6263
Hunter-Lab	43.8960, 47.9632, 27.8443

Details

The CIELCh color **51, 82.052, 48.645** 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, 45.592, 261.854**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 71.936, 51.770**, and **31, 70.559, 39.496** is the 20% darker color. If you saturate the color by 10%, you get **51, 82.407, 48.591**, and if you desaturate by 10%, it is **53, 75.125, 50.086**.

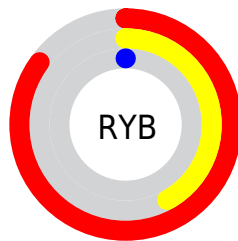
Distribution



Red (85%)

Green (28%)

Blue (0%)



Red (85%)

Yellow (42%)

Blue (0%)

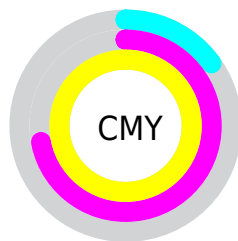


Cyan (0%)

Magenta (67%)

Yellow (99%)

Black (15%)



Cyan (15%)

Magenta (72%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 82.052, 48.645 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 51, 82.052, 48.645 by changing the saturation by 10% instead.

51, 82.052, 48.645

51, 82.052, 48.645

100, 82.052,
48.645

41, 82.052, 48.645

71, 82.052, 48.645

31, 82.052, 48.645

81, 82.052, 48.645

21, 82.052, 48.645

91, 82.052, 48.645

11, 82.052, 48.645

1, 82.052, 48.645

0, 82.052, 48.645

51, 82.052, 48.645

51, 82.052, 48.645

51, 82.407, 48.591

53, 75.125, 50.086

56, 66.308, 50.861

- 59, 56.656, 51.274
- 63, 47.009, 51.626
- 66, 37.745, 52.036
- 70, 29.017, 52.539
- 74, 20.867, 53.131
- 78, 13.285, 53.795
- 82, 6.232, 54.487

Harmonies

Complementary

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



51, 82.052, 48.645



57, 45.592, 261.854

Rectangle

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



51, 82.052, 48.645



51, 82.052, 98.645



51, 82.052, 228.645



51, 82.052, 278.645

Sweetspot

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



51, 82.049, 48.647



86, 24.363, 53.081



48, 80.452, 346.271



44, 16.890, 52.821



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 82.049, 48.647



60, 93.691, 48.263



74, 75.849, 89.218



43, 3.705, 54.491



40, 68.754, 49.163



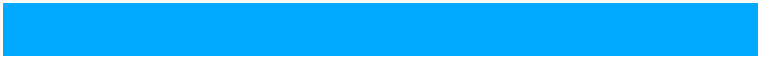
8, 18.017, 40.472

Inverse Universe

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



57, 45.592, 261.854



67, 52.130, 262.643



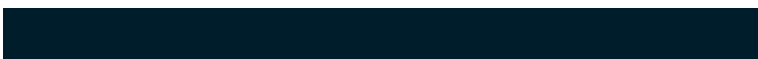
31, 105.534, 303.102



43, 3.535, 236.215



46, 38.036, 261.202



9, 13.589, 249.994

Previews

White Background



This preview shows how the CIELCh color 51, 82.052, 48.645 looks on a white 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

Black Background



This preview shows how the CIELCh color 51, 82.052, 48.645 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 51, 82.052, 48.645

Background



This preview shows how black text looks on a background with the CIELCh color 51, 82.052, 48.645.



This preview shows how white text looks on a background with the CIELCh color 51, 82.052, 48.645.

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

51, 82.052, 48.645

Protanopia

51, 51.598, 94.898

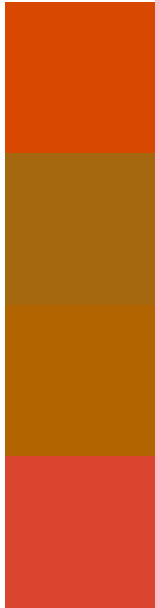
Deuteranopia

51, 57.654, 84.022



Tritanopia
51, 66.439, 28.463

Trichromacy



Original Color
51, 82.052, 48.645

Protanomaly
50, 56.827, 70.899

Deuteranomaly
50, 63.396, 66.319

Tritanomaly
51, 72.602, 38.813

Monochromacy



Original Color
51, 82.052, 48.645

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 29.883, 51.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 82.052, 48.645 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(216, 72, 1)` looks like.

```
.text, #text, p{  
    color:rgb(216, 72, 1)  
}
```

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(216, 72, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 72, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 82.052, 48.645 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(216, 72, 1) }
```

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

```
.border{ border-color:rgb(216, 72, 1) }
```

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

Here you see how a box with a 4 pixel rgb(216, 72, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 72, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 72, 1);  
box-shadow:4px 4px 4px 4px rgb(216, 72, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 82.052, 48.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 72, 1) }
```

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

```
.background{ background-color: rgb(216, 72,  
1) }
```

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