

Converting Colors

CIELCh(51, 83.040, 48.075)

Have a look what the booklet for
CIELCh(51, 83.040, 48.075) contains.

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Color

CIELCh(51, 83.202, 47.987)

Conversions

Conversions Part 1

Format	Color
Hex	DA4601
RGB	218, 70, 1
RGB Percent	85%, 27%, 0%
CMY	0.1454, 0.7257, 0.9964
CMYK	0.00, 0.68, 1.00, 0.15
HSL	19°, 99%, 43%
HSV	19°, 100%, 85%
XYZ	31.0829, 19.2686, 2.1075
YIQ	106.3860, 110.3570, 9.9170

Conversions

Conversions Part 2

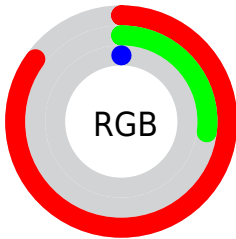
Format	Color
RYB	218, 102, 1
Decimal	14304769
CIELab	51.00, 55.69, 61.82
CIELCh	51, 83.202, 47.987
Yxy	19.2686, 0.5925, 0.3673
Android (android.graphics.Color)	4292494849 (0xFFDA4601)
YUV	106.3860, -51.9553, 97.8855
Hunter-Lab	43.8960, 49.5781, 27.8807

Details

The CIELCh color **51, 83.202, 47.987** 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 **59, 44.949, 259.814**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 72.088, 51.368**, and **32, 71.300, 39.555** is the 20% darker color. If you saturate the color by 10%, you get **51, 83.492, 47.949**, and if you desaturate by 10%, it is **53, 76.174, 49.310**.

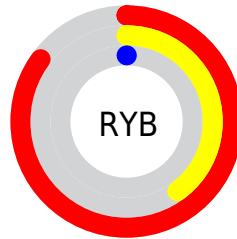
Distribution



Red (85%)

Green (27%)

Blue (0%)



Red (85%)

Yellow (40%)

Blue (0%)

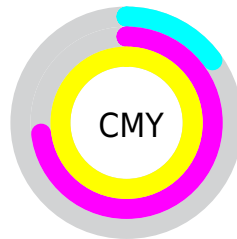


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (73%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 83.202, 47.987 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 51, 83.202, 47.987 by changing the saturation by 10% instead.

51, 83.202, 47.987

51, 83.202, 47.987

100, 83.202,
47.987

41, 83.202, 47.987

71, 83.202, 47.987

31, 83.202, 47.987

81, 83.202, 47.987

21, 83.202, 47.987

91, 83.202, 47.987

11, 83.202, 47.987

1, 83.202, 47.987

0, 83.202, 47.987

51, 83.202, 47.987

51, 83.202, 47.987

51, 83.492, 47.949

53, 76.174, 49.310

56, 67.215, 49.966

■ 59, 57.412, 50.265

■ 63, 47.619, 50.515

■ 67, 38.225, 50.835

■ 70, 29.381, 51.259

■ 74, 21.133, 51.783

■ 79, 13.467, 52.385

■ 83, 6.347, 53.023

Harmonies

Complementary

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



51, 83.202, 47.987



59, 44.949, 259.814

Rectangle

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



51, 83.202, 47.987



51, 83.202, 97.987



51, 83.202, 227.987



51, 83.202, 277.987

Sweetspot

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



51, 83.199, 47.989



86, 24.415, 51.744



48, 80.952, 346.304



44, 16.930, 51.512



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, 83.199, 47.989



59, 94.318, 47.647



74, 76.340, 89.196



44, 3.780, 53.032



41, 70.001, 48.486



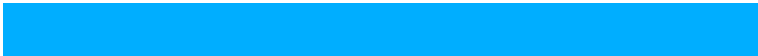
8, 19.476, 40.365

Inverse Universe

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



59, 44.949, 259.814



68, 50.998, 260.523



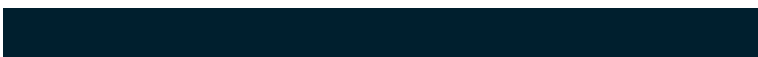
31, 106.329, 303.135



44, 3.601, 234.670



47, 37.685, 259.150



10, 13.958, 248.730

Previews

White Background



This preview shows how the CIELCh color 51, 83.202, 47.987 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, 83.202, 47.987 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 51, 83.202, 47.987

Background



This preview shows how black text looks on a background with the CIELCh color 51, 83.202, 47.987.



This preview shows how white text looks on a background with the CIELCh color 51, 83.202, 47.987.

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

51, 83.202, 47.987

Protanopia

51, 51.598, 94.898

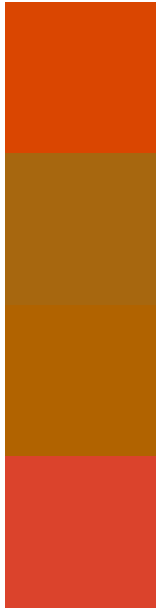
Deuteranopia

51, 57.654, 84.022



Tritanopia
51, 68.414, 29.359

Trichromacy



Original Color
51, 83.202, 47.987

Protanomaly
49, 57.141, 69.931

Deuteranomaly
50, 63.489, 65.814

Tritanomaly
51, 74.407, 38.879

Monochromacy



Original Color
51, 83.202, 47.987

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 30.378, 50.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 83.202, 47.987 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(218, 70, 1)` looks like.

```
.text, #text, p{  
    color:rgb(218, 70, 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(218, 70, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 70, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 83.202, 47.987 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(218, 70, 1) }
```

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

```
.border{ border-color:rgb(218, 70, 1) }
```

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

Here you see how a box with a 4 pixel rgb(218, 70, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 70, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 70, 1);  
box-shadow:4px 4px 4px 4px rgb(218, 70, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 83.202, 47.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 70, 1) }
```

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

```
.background{ background-color: rgb(218, 70,  
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](#).

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