

Converting Colors

CIELCh(52, 87.703, 51.809)

Have a look what the booklet for
CIELCh(52, 87.703, 51.809) contains.

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Color

CIELCh(52, 83.052, 49.130)

Conversions

Conversions Part 1

Format	Color
Hex	DC4B00
RGB	220, 75, 0
RGB Percent	86%, 29%, 0%
CMY	0.1387, 0.7071, 1.0000
CMYK	0.00, 0.66, 1.00, 0.14
HSL	20°, 100%, 43%
HSV	20°, 100%, 86%
XYZ	31.8932, 20.1443, 2.1957
YIQ	109.8050, 110.4950, 7.4150

Conversions

Conversions Part 2

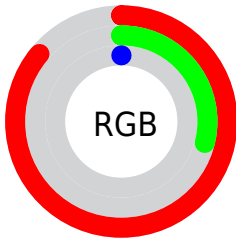
Format	Color
RYB	220, 114, 0
Decimal	14437120
CIELab	52.00, 54.34, 62.80
CIELCh	52, 83.052, 49.130
Yxy	20.1443, 0.5881, 0.3714
Android (android.graphics.Color)	4292627200 (0xFFDC4B00)
YUV	109.8050, -54.1339, 96.6410
Hunter-Lab	44.8824, 48.2969, 28.5172

Details

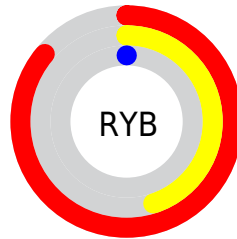
The CIELCh color **52, 83.052, 49.130** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **57, 47.189, 263.847**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 71.503, 52.991**, and **32, 71.510, 40.164** is the 20% darker color. If you saturate the color by 10%, you get **52, 82.981, 49.088**, and if you desaturate by 10%, it is **54, 76.148, 50.650**.

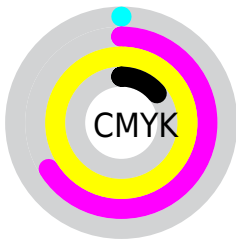
Distribution



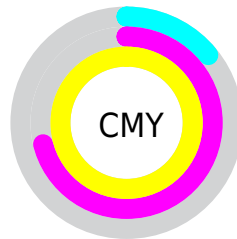
- Red (86%)
- Green (29%)
- Blue (0%)



- Red (86%)
- Yellow (45%)
- Blue (0%)



- Cyan (0%)
- Magenta (66%)
- Yellow (100%)
- Black (14%)



- Cyan (14%)
- Magenta (71%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 83.052, 49.130 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 52, 83.052, 49.130 by changing the saturation by 10% instead.

52, 83.052, 49.130

52, 83.052, 49.130

100, 83.052,
49.130

42, 83.052, 49.130

72, 83.052, 49.130

32, 83.052, 49.130

82, 83.052, 49.130

22, 83.052, 49.130

92, 83.052, 49.130

12, 83.052, 49.130

2, 83.052, 49.130

0, 83.052, 49.130

52, 83.052, 49.130

52, 83.052, 49.130

52, 82.981, 49.088

54, 76.148, 50.650

57, 67.398, 51.565

60, 57.719, 52.083

64, 47.995, 52.516

67, 38.632, 52.993

71, 29.796, 53.553

75, 21.535, 54.196

79, 13.840, 54.906

83, 6.676, 55.643

Harmonies

Complementary

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



52, 83.052, 49.130



57, 47.189, 263.847

Rectangle

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



52, 83.052, 49.130



52, 83.052, 99.130



52, 83.052, 229.130



52, 83.052, 279.130

Sweetspot

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



52, 82.981, 49.088



86, 24.331, 54.179



49, 80.626, 347.711



44, 16.863, 53.897



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 82.981, 49.088



60, 93.175, 48.788



75, 77.509, 90.553



44, 3.778, 55.684



41, 69.163, 49.665



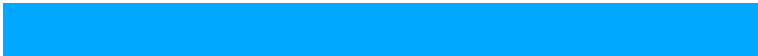
8, 19.235, 42.441

Inverse Universe

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



57, 47.189, 263.847



66, 53.107, 264.323



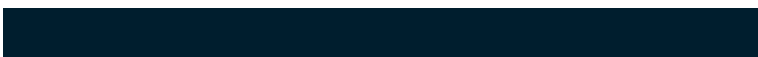
31, 109.072, 303.697



44, 3.609, 237.482



46, 39.168, 262.945



10, 14.299, 252.341

Previews

White Background



This preview shows how the CIELCh color 52, 83.052, 49.130 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 52, 83.052, 49.130 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 52, 83.052, 49.130

Background



This preview shows how black text looks on a background with the CIELCh color 52, 83.052, 49.130.



This preview shows how white text looks on a background with the CIELCh color 52, 83.052, 49.130.

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

52, 83.052, 49.130

Protanopia

52, 52.645, 95.605

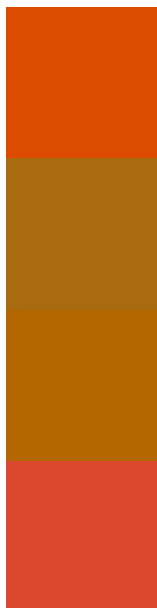
Deuteranopia

52, 58.437, 83.838



Tritanopia
52, 66.836, 28.681

Trichromacy



Original Color
52, 83.052, 49.130

Protanomaly
51, 57.691, 71.555

Deuteranomaly
51, 64.173, 66.424

Tritanomaly
52, 73.172, 39.603

Monochromacy



Original Color
52, 83.052, 49.130

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 30.432, 52.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 83.052, 49.130 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(220, 75, 0)` looks like.

```
.text, #text, p{  
    color:rgb(220, 75, 0)  
}
```

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(220, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 75, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 83.052, 49.130 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(220, 75, 0) }
```

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

```
.border{ border-color:rgb(220, 75, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 75, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 75, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 75, 0);  
box-shadow:4px 4px 4px 4px rgb(220, 75, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 83.052, 49.130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 75, 0) }
```

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

```
.background{ background-color: rgb(220, 75,  
0) }
```

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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