

Converting Colors

CIELCh(51, 78.067, 44.190)

Have a look what the booklet for
CIELCh(51, 78.067, 44.190) contains.

CIELCh(51, 78.134, 44.203)	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, 78.134, 44.203)

Conversions

Conversions Part 1

Format	Color
Hex	DA461B
RGB	218, 70, 27
RGB Percent	85%, 27%, 11%
CMY	0.1465, 0.7267, 0.8953
CMYK	0.00, 0.68, 0.88, 0.15
HSL	14°, 78%, 48%
HSV	14°, 88%, 85%
XYZ	31.1710, 19.2686, 3.0957
YIQ	109.3500, 102.0110, 18.0030

Conversions

Conversions Part 2

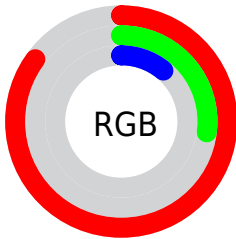
Format	Color
RYB	218, 82, 27
Decimal	14304795
CIELab	51.00, 56.01, 54.48
CIELCh	51, 78.134, 44.203
Yxy	19.2686, 0.5823, 0.3599
Android (android.graphics.Color)	4292494875 (0xFFDA461B)
YUV	109.3500, -40.5985, 95.2861
Hunter-Lab	43.8960, 49.9364, 26.5459

Details

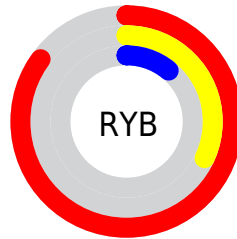
The CIELCh color **51, 78.134, 44.203** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **66, 38.180, 236.472**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 66.825, 46.854**, and **32, 71.668, 39.584** is the 20% darker color. If you saturate the color by 10%, you get **49, 85.826, 44.026**, and if you desaturate by 10%, it is **54, 68.371, 43.674**.

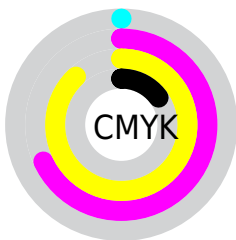
Distribution



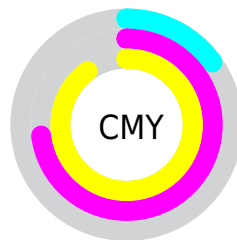
- Red (85%)
- Green (27%)
- Blue (11%)



- Red (85%)
- Yellow (32%)
- Blue (11%)



- Cyan (0%)
- Magenta (68%)
- Yellow (88%)
- Black (15%)



- Cyan (15%)
- Magenta (73%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 78.134, 44.203 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, 78.134, 44.203 by changing the saturation by 10% instead.

51, 78.134, 44.203

51, 78.134, 44.203

100, 78.134,
44.203

41, 78.134, 44.203

71, 78.134, 44.203

31, 78.134, 44.203

81, 78.134, 44.203

21, 78.134, 44.203

91, 78.134, 44.203

11, 78.134, 44.203

1, 78.134, 44.203

0, 78.134, 44.203

51, 78.134, 44.203

51, 78.134, 44.203

49, 85.826, 44.026

54, 68.371, 43.674

48, 87.413, 44.042

57, 57.981, 42.975

61, 47.732, 42.388

65, 37.961, 41.998

69, 28.807, 41.807

74, 20.310, 41.787

78, 12.459, 41.901

83, 5.214, 42.078

88, 1.478, 222.898

Harmonies

Complementary

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



51, 78.134, 44.203



66, 38.180, 236.472

Rectangle

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



51, 78.134, 44.203



51, 78.134, 94.203



51, 78.134, 224.203



51, 78.134, 274.203

Sweetspot

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



51, 78.131, 44.205



86, 21.523, 41.797



50, 85.274, 337.888



44, 14.803, 41.779



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, 78.131, 44.205



56, 98.823, 43.811



70, 70.307, 82.624



44, 3.881, 42.051



39, 73.385, 44.453



7, 20.621, 32.955

Inverse Universe

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



66, 38.180, 236.472



74, 44.834, 241.953



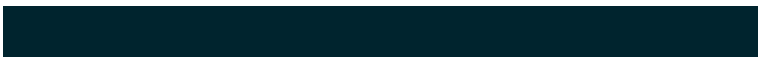
40, 82.276, 295.533



45, 3.665, 222.905



52, 33.423, 240.779



12, 13.140, 232.402

Previews

White Background



This preview shows how the CIELCh color 51, 78.134, 44.203 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, 78.134, 44.203 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, 78.134, 44.203

Background



This preview shows how black text looks on a background with the CIELCh color 51, 78.134, 44.203.



This preview shows how white text looks on a background with the CIELCh color 51, 78.134, 44.203.

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, 78.134, 44.203

Protanopia

51, 45.199, 95.197

Deuteranopia

51, 57.654, 84.022



Tritanopia
51, 67.940, 29.196

Trichromacy



Original Color
51, 78.134, 44.203

Protanomaly
49, 50.583, 67.013

Deuteranomaly
50, 61.588, 64.877

Tritanomaly
51, 71.561, 35.484

Monochromacy



Original Color
51, 78.134, 44.203

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 27.172, 42.265

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 78.134, 44.203 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(218, 70, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 70, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 78.134, 44.203 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, 27) }
```

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

```
.border{ border-color:rgb(218, 70, 27) }
```

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, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 70, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 70, 27);  
box-shadow:4px 4px 4px 4px rgb(218, 70,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 78.134, 44.203 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, 27) }
```

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

```
.background{ background-color: rgb(218, 70,  
27) }
```

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