

Converting Colors

CIELCh(52, 78.256, 46.081)

Have a look what the booklet for
CIELCh(52, 78.256, 46.081) contains.

CIELCh(52, 78.256, 46.081)	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(52, 78.256, 46.081)

Conversions

Conversions Part 1

Format	Color
Hex	DB4B18
RGB	219, 75, 24
RGB Percent	86%, 29%, 9%
CMY	0.1414, 0.7060, 0.9061
CMYK	0.00, 0.66, 0.89, 0.14
HSL	16°, 80%, 48%
HSV	16°, 89%, 86%
XYZ	31.8758, 20.1443, 3.0699
YIQ	112.2420, 102.1950, 14.6670

Conversions

Conversions Part 2

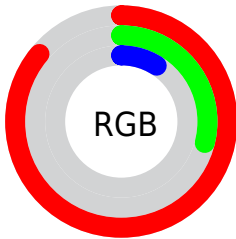
Format	Color
R_{YB}	219, 93, 24
Decimal	14371608
CIE _{Lab}	52.00, 54.28, 56.37
CIE _{LCh}	52, 78.256, 46.081
Yxy	20.1443, 0.5786, 0.3657
Android (android.graphics.Color)	4292561688 (0xFFDB4B18)
YUV	112.2420, -43.5033, 93.6268
Hunter-Lab	44.8824, 48.2278, 27.3624

Details

The CIELCh color **52, 78.256, 46.081** 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 **64, 39.571, 244.161**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 66.816, 49.221**, and **32, 71.510, 40.164** is the 20% darker color. If you saturate the color by 10%, you get **50, 85.650, 45.410**, and if you desaturate by 10%, it is **55, 68.796, 46.066**.

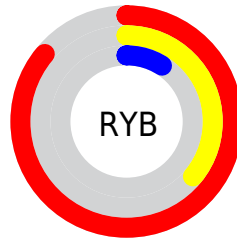
Distribution



Red (86%)

Green (29%)

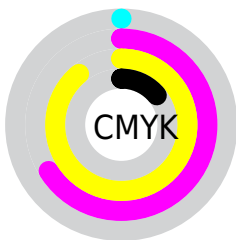
Blue (9%)



Red (86%)

Yellow (36%)

Blue (9%)

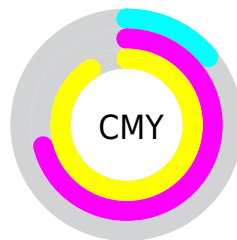


Cyan (0%)

Magenta (66%)

Yellow (89%)

Black (14%)



Cyan (14%)

Magenta (71%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 78.256, 46.081 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, 78.256, 46.081 by changing the saturation by 10% instead.

52, 78.256, 46.081

52, 78.256, 46.081

100, 78.256,
46.081

42, 78.256, 46.081

72, 78.256, 46.081

32, 78.256, 46.081

82, 78.256, 46.081

22, 78.256, 46.081

92, 78.256, 46.081

12, 78.256, 46.081

2, 78.256, 46.081

0, 78.256, 46.081

52, 78.256, 46.081

52, 78.256, 46.081

50, 85.650, 45.410

55, 68.796, 46.066

50, 86.315, 45.382

58, 58.567, 45.773

62, 48.415, 45.516

66, 38.714, 45.400

70, 29.612, 45.445

74, 21.152, 45.635

79, 13.324, 45.939

83, 6.086, 46.303

88, 0.613, 227.792

Harmonies

Complementary

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



52, 78.256, 46.081



64, 39.571, 244.161

Rectangle

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



52, 78.256, 46.081



52, 78.256, 96.081



52, 78.256, 226.081



52, 78.256, 276.081

Sweetspot

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



52, 78.253, 46.083



86, 22.077, 45.683



50, 84.022, 339.964



44, 15.085, 45.596



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, 78.253, 46.083



57, 97.147, 45.131



72, 72.043, 85.224



44, 3.825, 46.290



39, 72.109, 45.856



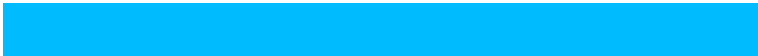
8, 20.167, 35.564

Inverse Universe

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



64, 39.571, 244.161



72, 46.681, 249.671



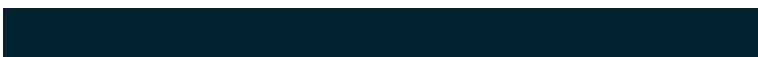
38, 88.194, 297.668



45, 3.622, 227.466



50, 34.681, 248.379



12, 13.338, 238.950

Previews

White Background



This preview shows how the CIELCh color 52, 78.256, 46.081 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, 78.256, 46.081 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, 78.256, 46.081

Background



This preview shows how black text looks on a background with the CIELCh color 52, 78.256, 46.081.



This preview shows how white text looks on a background with the CIELCh color 52, 78.256, 46.081.

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, 78.256, 46.081

Protanopia

52, 48.103, 95.486

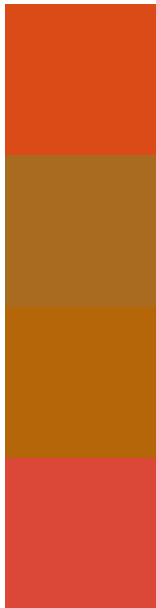
Deuteranopia

52, 58.437, 83.838



Tritanopia
52, 66.215, 28.169

Trichromacy



Original Color
52, 78.256, 46.081

Protanomaly
51, 52.650, 69.175

Deuteranomaly
51, 62.503, 65.633

Tritanomaly
52, 70.292, 36.174

Monochromacy



Original Color
52, 78.256, 46.081

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 26.992, 45.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 78.256, 46.081 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(219, 75, 24)` looks like.

```
.text, #text, p{  
    color:rgb(219, 75, 24)  
}
```

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(219, 75, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 75, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 78.256, 46.081 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(219, 75, 24) }
```

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

```
.border{ border-color:rgb(219, 75, 24) }
```

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

Here you see how a box with a 4 pixel rgb(219, 75, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 75, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 75, 24);  
box-shadow:4px 4px 4px 4px rgb(219, 75,  
24) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 78.256, 46.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 75, 24) }
```

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

```
.background{ background-color: rgb(219, 75,  
24) }
```

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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