

Converting Colors

CIELCh(52, 77.666, 46.435)

Have a look what the booklet for
CIELCh(52, 77.666, 46.435) contains.

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Color

CIELCh(52, 77.666, 46.435)

Conversions

Conversions Part 1

Format	Color
Hex	DA4C18
RGB	218, 76, 24
RGB Percent	85%, 30%, 9%
CMY	0.1450, 0.7019, 0.9058
CMYK	0.00, 0.65, 0.89, 0.15
HSL	16°, 80%, 47%
HSV	16°, 89%, 85%
XYZ	31.6682, 20.1443, 3.0840
YIQ	112.5300, 101.3240, 13.9320

Conversions

Conversions Part 2

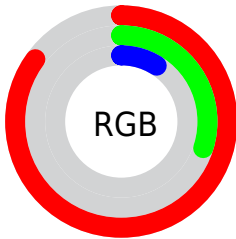
Format	Color
R _Y B	218, 95, 24
Decimal	14306328
CIE Lab	52.00, 53.53, 56.28
CIE LCh	52, 77.666, 46.435
Yxy	20.1443, 0.5769, 0.3670
Android (android.graphics.Color)	4292496408 (0xFFDA4C18)
YUV	112.5300, -43.6453, 92.4972
Hunter-Lab	44.8824, 47.4020, 27.3437

Details

The CIELCh color **52, 77.666, 46.435** 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, 39.664, 245.361**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 66.659, 49.665**, and **32, 70.880, 40.427** is the 20% darker color. If you saturate the color by 10%, you get **50, 85.035, 45.692**, and if you desaturate by 10%, it is **55, 68.261, 46.492**.

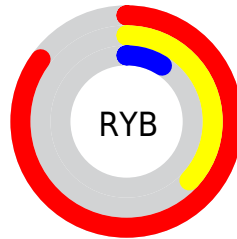
Distribution



Red (85%)

Green (30%)

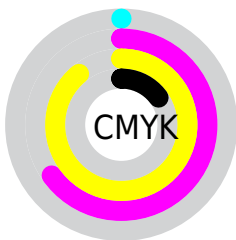
Blue (9%)



Red (85%)

Yellow (37%)

Blue (9%)

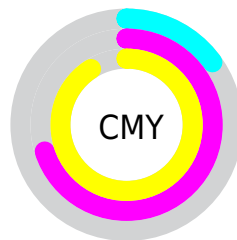


Cyan (0%)

Magenta (65%)

Yellow (89%)

Black (15%)



Cyan (15%)

Magenta (70%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 77.666, 46.435 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, 77.666, 46.435 by changing the saturation by 10% instead.

 52, 77.666, 46.435

 52, 77.666, 46.435

 100, 77.666,
46.435

 42, 77.666, 46.435

 72, 77.666, 46.435

 32, 77.666, 46.435

 82, 77.666, 46.435

 22, 77.666, 46.435

 92, 77.666, 46.435

 12, 77.666, 46.435

 2, 77.666, 46.435

 0, 77.666, 46.435

 52, 77.666, 46.435

 52, 77.666, 46.435

 50, 85.035, 45.692

 55, 68.261, 46.492

 49, 85.751, 45.654

 58, 58.104, 46.269

62, 48.027, 46.073

66, 38.398, 46.012

70, 29.364, 46.104

74, 20.966, 46.335

78, 13.192, 46.675

83, 6.002, 47.072

88, 0.657, 228.523

Harmonies

Complementary

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



52, 77.666, 46.435



64, 39.664, 245.361

Rectangle

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



52, 77.666, 46.435



52, 77.666, 96.435



52, 77.666, 226.435



52, 77.666, 276.435

Sweetspot

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



52, 77.663, 46.437



86, 22.022, 46.388



50, 82.808, 340.958



44, 15.047, 46.287



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, 77.663, 46.437



57, 96.835, 45.390



73, 72.289, 86.637



44, 3.817, 47.055



39, 71.873, 46.129



8, 20.086, 36.067

Inverse Universe

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



64, 39.664, 245.361



71, 47.090, 250.991



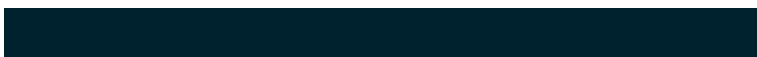
37, 89.843, 298.409



45, 3.617, 228.287



50, 34.963, 249.684



11, 13.390, 240.101

Previews

White Background



This preview shows how the CIELCh color 52, 77.666, 46.435 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, 77.666, 46.435 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, 77.666, 46.435

Background



This preview shows how black text looks on a background with the CIELCh color 52, 77.666, 46.435.



This preview shows how white text looks on a background with the CIELCh color 52, 77.666, 46.435.

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, 77.666, 46.435

Protanopia

52, 48.103, 95.486

Deuteranopia

52, 58.437, 83.838



Tritanopia
52, 65.337, 27.942

Trichromacy



Original Color
52, 77.666, 46.435

Protanomaly
51, 52.338, 69.566

Deuteranomaly
51, 62.103, 66.458

Tritanomaly
52, 69.657, 36.473

Monochromacy



Original Color
52, 77.666, 46.435

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 26.501, 46.357

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 77.666, 46.435 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, 76, 24)` looks like.

```
.text, #text, p{  
    color:rgb(218, 76, 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(218, 76, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 76, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 77.666, 46.435 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, 76, 24) }
```

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

```
.border{ border-color:rgb(218, 76, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 76, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 76, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 76, 24);  
box-shadow:4px 4px 4px 4px rgb(218, 76,  
24) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 77.666, 46.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 76, 24) }
```

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

```
.background{ background-color: rgb(218, 76,  
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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