

Converting Colors

CIELCh(51, 68.719, 46.443)

Have a look what the booklet for
CIELCh(51, 68.719, 46.443) contains.

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Color

CIELCh(51, 68.600, 46.317)

Conversions

Conversions Part 1

Format	Color
Hex	CE5124
RGB	206, 81, 36
RGB Percent	81%, 32%, 14%
CMY	0.1902, 0.6807, 0.8573
CMYK	0.00, 0.61, 0.82, 0.19
HSL	16°, 70%, 48%
HSV	16°, 82%, 81%
XYZ	28.8879, 19.2686, 3.8965
YIQ	113.2450, 88.9450, 12.5050

Conversions

Conversions Part 2

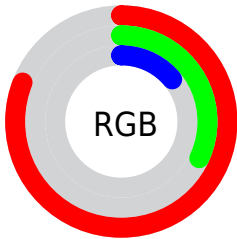
Format	Color
R_{YB}	206, 97, 36
Decimal	13521188
CIE _{Lab}	51.00, 47.38, 49.61
CIE _{LCh}	51, 68.600, 46.317
Yxy	19.2686, 0.5550, 0.3702
Android (android.graphics.Color)	4291711268 (0xFFCE5124)
YUV	113.2450, -38.0818, 81.3461
Hunter-Lab	43.8960, 40.6527, 25.4642

Details

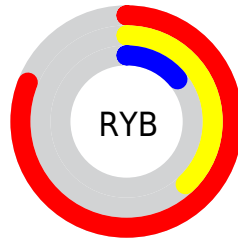
The CIELCh color **51, 68.600, 46.317** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **62, 36.591, 241.873**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 62.836, 47.846**, and **31, 64.710, 42.819** is the 20% darker color. If you saturate the color by 10%, you get **48, 77.112, 46.106**, and if you desaturate by 10%, it is **54, 58.969, 46.100**.

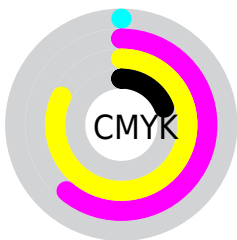
Distribution



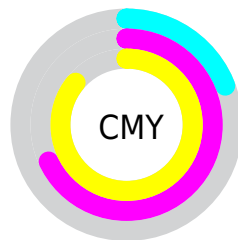
- Red (81%)
- Green (32%)
- Blue (14%)



- Red (81%)
- Yellow (38%)
- Blue (14%)



- Cyan (0%)
- Magenta (61%)
- Yellow (82%)
- Black (19%)



- Cyan (19%)
- Magenta (68%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 68.600, 46.317 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, 68.600, 46.317 by changing the saturation by 10% instead.

51, 68.600, 46.317

51, 68.600, 46.317

100, 68.600,
46.317

41, 68.600, 46.317

71, 68.600, 46.317

31, 68.600, 46.317

81, 68.600, 46.317

21, 68.600, 46.317

91, 68.600, 46.317

11, 68.600, 46.317

1, 68.600, 46.317

0, 68.600, 46.317

51, 68.600, 46.317

51, 68.600, 46.317

48, 77.112, 46.106

54, 58.969, 46.100

47, 82.362, 45.619

57, 49.231, 45.846

61, 39.841, 45.709

65, 30.989, 45.728

69, 22.741, 45.894

73, 15.097, 46.183

77, 8.026, 46.552

82, 1.482, 46.735

86, 4.588, 227.743

Harmonies

Complementary

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



51, 68.600, 46.317



62, 36.591, 241.873

Rectangle

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



51, 68.600, 46.317



51, 68.600, 96.317



51, 68.600, 226.317



51, 68.600, 276.317

Sweetspot

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



51, 68.598, 46.320



87, 20.250, 46.088



48, 78.519, 339.084



45, 14.015, 45.983



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, 68.598, 46.320



58, 96.278, 45.330



69, 65.965, 86.389



41, 3.599, 46.666



38, 69.544, 46.096



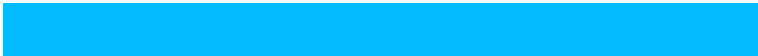
6, 15.517, 34.776

Inverse Universe

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



62, 36.591, 241.873



72, 46.675, 249.837



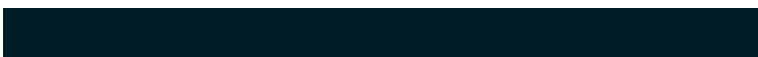
39, 77.211, 295.411



42, 3.411, 227.862



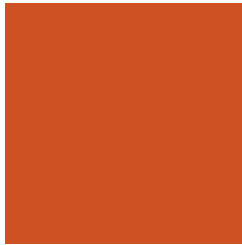
48, 33.637, 248.834



9, 11.858, 237.738

Previews

White Background



This preview shows how the CIELCh color 51, 68.600, 46.317 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, 68.600, 46.317 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, 68.600, 46.317

Background



This preview shows how black text looks on a background with the CIELCh color 51, 68.600, 46.317.



This preview shows how white text looks on a background with the CIELCh color 51, 68.600, 46.317.

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, 68.600, 46.317

Protanopia

51, 41.981, 95.622

Deuteranopia

51, 52.513, 82.920



Tritanopia
51, 57.957, 26.213

Trichromacy



Original Color
51, 68.600, 46.317

Protanomaly
50, 46.195, 69.639

Deuteranomaly
50, 55.369, 65.921

Tritanomaly
51, 60.728, 34.882

Monochromacy



Original Color
51, 68.600, 46.317

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 23.277, 45.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 68.600, 46.317 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(206, 81, 36)` looks like.

```
.text, #text, p{  
    color:rgb(206, 81, 36)  
}
```

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(206, 81, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 81, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 68.600, 46.317 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(206, 81, 36) }
```

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

```
.border{ border-color:rgb(206, 81, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 81, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 81, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 81, 36);  
box-shadow:4px 4px 4px 4px rgb(206, 81,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 68.600, 46.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 81, 36) }
```

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

```
.background{ background-color: rgb(206, 81,  
36) }
```

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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