

Converting Colors

CIELCh(48, 51.714, 53.835)

Have a look what the booklet for
CIELCh(48, 51.714, 53.835) contains.

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Color

CIELCh(48, 51.811, 53.808)

Conversions

Conversions Part 1

Format	Color
Hex	AF5B2B
RGB	175, 91, 43
RGB Percent	69%, 36%, 17%
CMY	0.3134, 0.6428, 0.8311
CMYK	0.00, 0.48, 0.75, 0.31
HSL	22°, 61%, 43%
HSV	22°, 75%, 69%
XYZ	21.8843, 16.7945, 4.3806
YIQ	110.6440, 65.4720, 2.8800

Conversions

Conversions Part 2

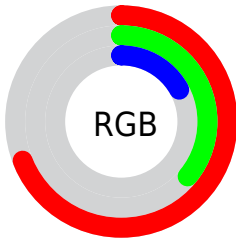
Format	Color
RYB	175, 118, 43
Decimal	11492139
CIELab	48.00, 30.59, 41.81
CIELCh	48, 51.811, 53.808
Yxy	16.7945, 0.5082, 0.3900
Android (android.graphics.Color)	4289682219 (0xFFAF5B2B)
YUV	110.6440, -33.3485, 56.4402
Hunter-Lab	40.9810, 23.6042, 22.3490

Details

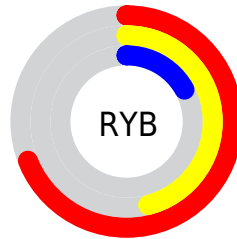
The CIELCh color **48, 51.811, 53.808** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **50, 33.636, 255.452**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 51.831, 53.744**, and **28, 50.002, 52.159** is the 20% darker color. If you saturate the color by 10%, you get **46, 59.480, 52.971**, and if you desaturate by 10%, it is **51, 43.821, 54.445**.

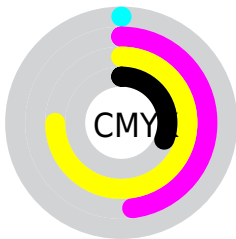
Distribution



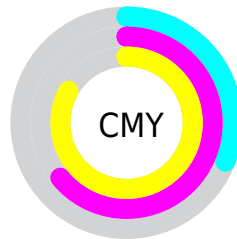
- Red (69%)
- Green (36%)
- Blue (17%)



- Red (69%)
- Yellow (46%)
- Blue (17%)



- Cyan (0%)
- Magenta (48%)
- Yellow (75%)
- Black (31%)



- Cyan (31%)
- Magenta (64%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 51.811, 53.808 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 48, 51.811, 53.808 by changing the saturation by 10% instead.

 48, 51.811, 53.808

 48, 51.811, 53.808

 100, 51.811,
53.808

 38, 51.811, 53.808

 68, 51.811, 53.808

 28, 51.811, 53.808

 78, 51.811, 53.808

 18, 51.811, 53.808

 88, 51.811, 53.808

 8, 51.811, 53.808

 98, 51.811, 53.808

 0, 51.811, 53.808

 48, 51.811, 53.808

 48, 51.811, 53.808

 46, 59.480, 52.971

 51, 43.821, 54.445

 43, 65.948, 51.556

 54, 35.985, 55.057

42, 68.778, 50.999

57, 28.508, 55.718

60, 21.468, 56.443

63, 14.876, 57.227

66, 8.716, 58.049

70, 2.954, 58.830

73, 2.448, 240.042

77, 7.530, 240.827

Harmonies

Complementary

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



48, 51.811, 53.808



50, 33.636, 255.452

Rectangle

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



48, 51.811, 53.808



48, 51.811, 103.808



48, 51.811, 233.808



48, 51.811, 283.808

Sweetspot

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



48, 51.809, 53.811



81, 16.521, 57.389



42, 62.288, 343.761



42, 11.669, 57.102



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



48, 51.809, 53.811



57, 77.289, 52.195



64, 57.859, 94.836



35, 3.114, 58.547



36, 61.253, 51.461



3, 6.398, 51.132

Inverse Universe

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



50, 33.636, 255.452



60, 46.935, 262.672



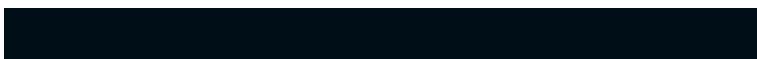
32, 69.894, 297.677



35, 2.989, 240.451



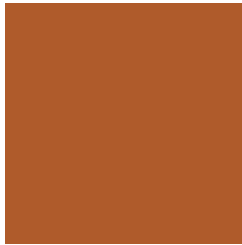
39, 36.583, 266.109



4, 6.659, 250.836

Previews

White Background



This preview shows how the CIELCh color 48, 51.811, 53.808 looks on a white 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

Black Background



This preview shows how the CIELCh color 48, 51.811, 53.808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

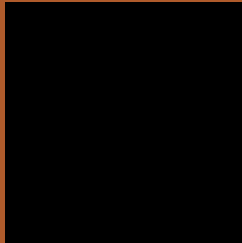
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 51.811, 53.808

Background



This preview shows how black text looks on a background with the CIELCh color 48, 51.811, 53.808.



This preview shows how white text looks on a background with the CIELCh color 48, 51.811, 53.808.

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

48, 51.811, 53.808

Protanopia

48, 37.161, 96.295

Deuteranopia

48, 43.476, 82.084



Tritanopia
48, 40.123, 20.525

Trichromacy



Original Color
48, 51.811, 53.808

Protanomaly
48, 39.133, 77.125

Deuteranomaly
48, 45.017, 69.685

Tritanomaly
48, 42.420, 35.504

Monochromacy



Original Color
48, 51.811, 53.808

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 17.431, 57.712

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 51.811, 53.808 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(175, 91, 43)` looks like.

```
.text, #text, p{  
    color:rgb(175, 91, 43)  
}
```

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(175, 91, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 91, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 51.811, 53.808 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(175, 91, 43) }
```

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

```
.border{ border-color:rgb(175, 91, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 91, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 91, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 91, 43);  
box-shadow:4px 4px 4px 4px rgb(175, 91,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 51.811, 53.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 91, 43) }
```

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

```
.background{ background-color: rgb(175, 91,  
43) }
```

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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