

Converting Colors

CIELCh(51, 47.519, 53.064)

Have a look what the booklet for
CIELCh(51, 47.519, 53.064) contains.

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Color

CIELCh(51, 47.844, 52.767)

Conversions

Conversions Part 1

Format	Color
Hex	B56439
RGB	181, 100, 57
RGB Percent	71%, 39%, 22%
CMY	0.2897, 0.6074, 0.7761
CMYK	0.00, 0.45, 0.68, 0.29
HSL	21°, 52%, 47%
HSV	21°, 68%, 71%
XYZ	24.3922, 19.2686, 6.3170
YIQ	119.3170, 62.0790, 3.7990

Conversions

Conversions Part 2

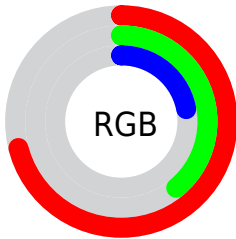
Format	Color
RYB	181, 123, 57
Decimal	11887673
CIELab	51.00, 28.95, 38.09
CIElCh	51, 47.844, 52.767
Yxy	19.2686, 0.4881, 0.3855
Android (android.graphics.Color)	4290077753 (0xFFB56439)
YUV	119.3170, -30.7223, 54.0960
Hunter-Lab	43.8960, 22.3709, 22.1949

Details

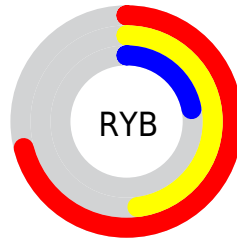
The CIELCh color **51, 47.844, 52.767** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **54, 31.598, 250.325**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 47.710, 52.748**, and **31, 47.971, 52.483** is the 20% darker color. If you saturate the color by 10%, you get **48, 56.133, 52.240**, and if you desaturate by 10%, it is **54, 39.615, 53.254**.

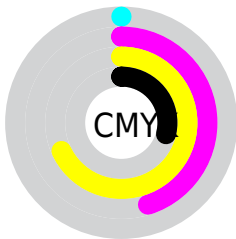
Distribution



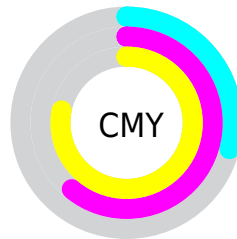
- Red (71%)
- Green (39%)
- Blue (22%)



- Red (71%)
- Yellow (48%)
- Blue (22%)



- Cyan (0%)
- Magenta (45%)
- Yellow (68%)
- Black (29%)



- Cyan (29%)
- Magenta (61%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 47.844, 52.767 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, 47.844, 52.767 by changing the saturation by 10% instead.

 51, 47.844, 52.767

 51, 47.844, 52.767

 100, 47.844,
52.767

 41, 47.844, 52.767

 71, 47.844, 52.767

 31, 47.844, 52.767

 81, 47.844, 52.767

 21, 47.844, 52.767

 91, 47.844, 52.767

 11, 47.844, 52.767

 1, 47.844, 52.767

 0, 47.844, 52.767

 51, 47.844, 52.767

 51, 47.844, 52.767

 48, 56.133, 52.240

 54, 39.615, 53.254

 46, 63.870, 51.416

 57, 31.730, 53.787

44, 70.255, 50.054

60, 24.297, 54.397

43, 71.250, 49.925

64, 17.344, 55.081

67, 10.860, 55.822

71, 4.811, 56.573

74, 0.842, 238.028

78, 6.142, 238.422

82, 11.129,
239.245

Harmonies

Complementary

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



51, 47.844, 52.767



54, 31.598, 250.325

Rectangle

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



51, 47.844, 52.767



51, 47.844, 102.767



51, 47.844, 232.767



51, 47.844, 282.767

Sweetspot

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



51, 47.843, 52.770



84, 15.388, 55.605



45, 60.890, 341.843



43, 10.507, 55.403



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



51, 47.843, 52.770



61, 72.881, 51.897



66, 54.534, 94.486



37, 3.261, 56.511



37, 63.410, 50.362



4, 8.809, 45.841

Inverse Universe

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



54, 31.598, 250.325



65, 44.046, 256.251



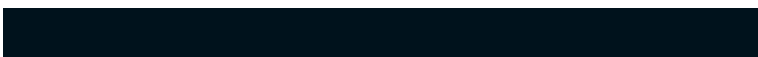
37, 63.228, 295.078



37, 3.122, 238.321



41, 36.405, 263.574



5, 8.935, 251.466

Previews

White Background



This preview shows how the CIELCh color 51, 47.844, 52.767 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, 47.844, 52.767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

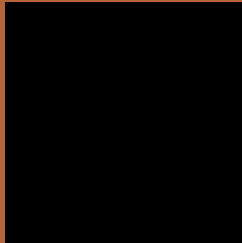
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 47.844, 52.767

Background



This preview shows how black text looks on a background with the CIELCh color 51, 47.844, 52.767.



This preview shows how white text looks on a background with the CIELCh color 51, 47.844, 52.767.

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, 47.844, 52.767

Protanopia

51, 33.353, 96.232

Deuteranopia

51, 39.807, 80.504



Tritanopia
51, 38.617, 18.952

Trichromacy



Original Color
51, 47.844, 52.767

Protanomaly
51, 35.596, 76.494

Deuteranomaly
51, 41.608, 68.861

Tritanomaly
51, 40.032, 33.152

Monochromacy



Original Color
51, 47.844, 52.767

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 16.369, 54.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 47.844, 52.767 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(181, 100, 57)` looks like.

```
.text, #text, p{  
    color:rgb(181, 100, 57)  
}
```

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(181, 100, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 100, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 47.844, 52.767 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(181, 100, 57) }
```

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

```
.border{ border-color:rgb(181, 100, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 100, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 100, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 100, 57);  
box-shadow:4px 4px 4px 4px rgb(181, 100,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 47.844, 52.767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 100, 57) }
```

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

```
.background{ background-color: rgb(181,  
100, 57) }
```

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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