

Converting Colors

CIELCh(49, 52.682, 45.660)

Have a look what the booklet for
CIELCh(49, 52.682, 45.660) contains.

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Color

CIELCh(49, 52.574, 45.648)

Conversions

Conversions Part 1

Format	Color
Hex	B95836
RGB	185, 88, 54
RGB Percent	73%, 35%, 21%
CMY	0.2740, 0.6545, 0.7879
CMYK	0.00, 0.52, 0.71, 0.27
HSL	16°, 55%, 47%
HSV	16°, 71%, 73%
XYZ	24.2046, 17.5941, 5.6222
YIQ	113.1270, 68.7260, 9.9900

Conversions

Conversions Part 2

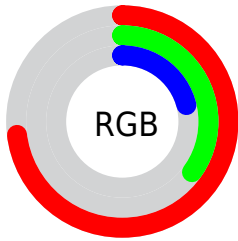
Format	Color
RYB	185, 100, 54
Decimal	12146742
CIELab	49.00, 36.75, 37.59
CIELCh	49, 52.574, 45.648
Yxy	17.5941, 0.5104, 0.3710
Android (android.graphics.Color)	4290336822 (0xFFB95836)
YUV	113.1270, -29.1496, 63.0326
Hunter-Lab	41.9453, 29.5996, 21.4146

Details

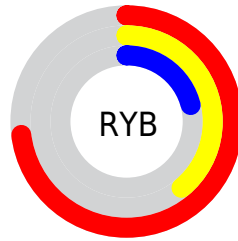
The CIELCh color **49, 52.574, 45.648** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **58, 30.891, 236.781**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 52.663, 45.710**, and **29, 52.613, 45.679** is the 20% darker color. If you saturate the color by 10%, you get **46, 61.486, 45.955**, and if you desaturate by 10%, it is **52, 43.679, 45.367**.

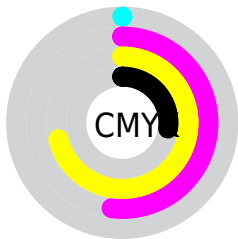
Distribution



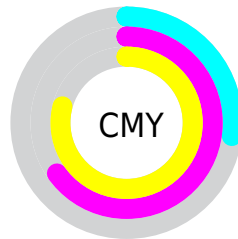
- Red (73%)
- Green (35%)
- Blue (21%)



- Red (73%)
- Yellow (39%)
- Blue (21%)



- Cyan (0%)
- Magenta (52%)
- Yellow (71%)
- Black (27%)



- Cyan (27%)
- Magenta (65%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 52.574, 45.648 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 49, 52.574, 45.648 by changing the saturation by 10% instead.

49, 52.574, 45.648

49, 52.574, 45.648

100, 52.574,
45.648

39, 52.574, 45.648

69, 52.574, 45.648

29, 52.574, 45.648

79, 52.574, 45.648

19, 52.574, 45.648

89, 52.574, 45.648

9, 52.574, 45.648

99, 52.574, 45.648

0, 52.574, 45.648

49, 52.574, 45.648

49, 52.574, 45.648

46, 61.486, 45.955

52, 43.679, 45.367

44, 69.644, 45.953

56, 35.153, 45.218

42, 75.905, 45.629

59, 27.136, 45.230

63, 19.673, 45.388

67, 12.759, 45.663

71, 6.362, 46.011

75, 0.439, 45.422

79, 5.058, 227.158

83, 10.177,
227.655

Harmonies

Complementary

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



49, 52.574, 45.648



58, 30.891, 236.781

Rectangle

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



49, 52.574, 45.648



49, 52.574, 95.648



49, 52.574, 225.648



49, 52.574, 275.648

Sweetspot

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



49, 52.572, 45.651



84, 15.943, 45.645



46, 66.715, 337.767



43, 10.903, 45.561



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



49, 52.572, 45.651



58, 80.390, 46.026



64, 53.952, 88.206



37, 3.303, 46.061



35, 66.399, 46.021



4, 9.068, 38.294

Inverse Universe

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



58, 30.891, 236.781



71, 41.544, 242.252



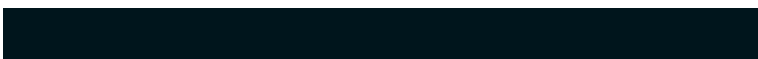
40, 59.650, 291.547



37, 3.131, 227.202



45, 31.852, 247.522



6, 8.549, 238.996

Previews

White Background



This preview shows how the CIELCh color 49, 52.574, 45.648 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 49, 52.574, 45.648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

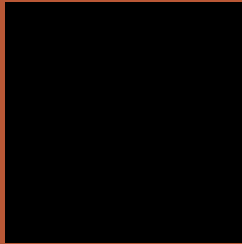
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 52.574, 45.648

Background



This preview shows how black text looks on a background with the CIELCh color 49, 52.574, 45.648.



This preview shows how white text looks on a background with the CIELCh color 49, 52.574, 45.648.

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

49, 52.574, 45.648

Protanopia

49, 31.420, 95.720

Deuteranopia

49, 39.330, 80.598



Tritanopia
49, 45.388, 21.995

Trichromacy



Original Color
49, 52.574, 45.648

Protanomaly
48, 34.445, 69.714

Deuteranomaly
49, 42.023, 64.768

Tritanomaly
49, 46.984, 31.310

Monochromacy



Original Color
49, 52.574, 45.648

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 17.294, 44.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 52.574, 45.648 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(185, 88, 54)` looks like.

```
.text, #text, p{  
    color:rgb(185, 88, 54)  
}
```

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(185, 88, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 88, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 52.574, 45.648 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(185, 88, 54) }
```

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

```
.border{ border-color:rgb(185, 88, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 88, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 88, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 88, 54);  
box-shadow:4px 4px 4px 4px rgb(185, 88,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 52.574, 45.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 88, 54) }
```

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

```
.background{ background-color: rgb(185, 88,  
54) }
```

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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