

Converting Colors

CIELCh(49, 56.781, 45.806)

Have a look what the booklet for
CIELCh(49, 56.781, 45.806) contains.

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Color

CIELCh(49, 56.563, 45.588)

Conversions

Conversions Part 1

Format	Color
Hex	BD5531
RGB	189, 85, 49
RGB Percent	74%, 33%, 19%
CMY	0.2580, 0.6659, 0.8072
CMYK	0.00, 0.55, 0.74, 0.26
HSL	15°, 59%, 47%
HSV	15°, 74%, 74%
XYZ	24.8590, 17.5941, 5.0094
YIQ	111.9920, 73.5400, 10.8520

Conversions

Conversions Part 2

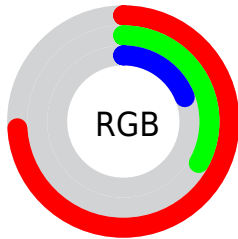
Format	Color
RYB	189, 97, 49
Decimal	12408113
CIELab	49.00, 39.58, 40.40
CIElCh	49, 56.563, 45.588
Yxy	17.5941, 0.5238, 0.3707
Android (android.graphics.Color)	4290598193 (0xFFBD5531)
YUV	111.9920, -31.0551, 67.5360
Hunter-Lab	41.9453, 32.3845, 22.2809

Details

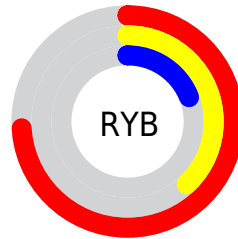
The CIELCh color **49, 56.563, 45.588** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **59, 32.200, 237.401**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 56.805, 45.420**, and **29, 56.371, 45.618** is the 20% darker color. If you saturate the color by 10%, you get **46, 65.507, 45.871**, and if you desaturate by 10%, it is **52, 47.435, 45.256**.

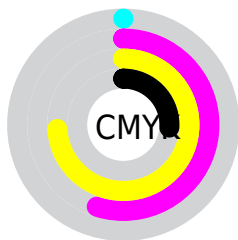
Distribution



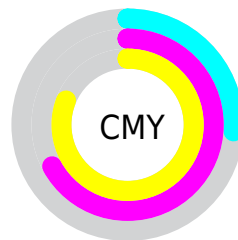
- Red (74%)
- Green (33%)
- Blue (19%)



- Red (74%)
- Yellow (38%)
- Blue (19%)



- Cyan (0%)
- Magenta (55%)
- Yellow (74%)
- Black (26%)



- Cyan (26%)
- Magenta (67%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 56.563, 45.588 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, 56.563, 45.588 by changing the saturation by 10% instead.

■ 49, 56.563, 45.588

■ 49, 56.563, 45.588

■ 100, 56.563,
45.588

■ 39, 56.563, 45.588

■ 69, 56.563, 45.588

■ 29, 56.563, 45.588

■ 79, 56.563, 45.588

■ 19, 56.563, 45.588

■ 89, 56.563, 45.588

■ 9, 56.563, 45.588

■ 99, 56.563, 45.588

■ 0, 56.563, 45.588

■ 49, 56.563, 45.588

■ 49, 56.563, 45.588

■ 46, 65.507, 45.871

■ 52, 47.435, 45.256

■ 44, 73.264, 45.663

■ 55, 38.597, 45.035

43, 77.282, 45.487

59, 30.245, 44.977

63, 22.452, 45.073

67, 15.224, 45.300

71, 8.538, 45.620

75, 2.352, 45.893

79, 3.382, 226.743

83, 8.714, 227.180

Harmonies

Complementary

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



49, 56.563, 45.588



59, 32.200, 237.401

Rectangle

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



49, 56.563, 45.588



49, 56.563, 95.588



49, 56.563, 225.588



49, 56.563, 275.588

Sweetspot

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



49, 56.561, 45.591



85, 17.076, 45.349



46, 69.712, 338.107



44, 11.595, 45.272



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



49, 56.561, 45.591



58, 85.791, 45.836



65, 56.962, 87.725



38, 3.382, 45.780



36, 67.321, 45.890



4, 10.517, 36.966

Inverse Universe

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



59, 32.200, 237.401



72, 42.980, 243.534



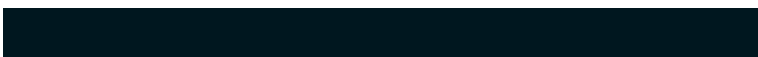
39, 63.821, 292.587



39, 3.205, 226.903



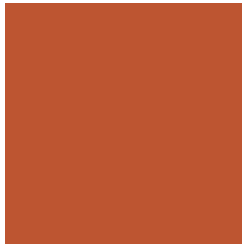
46, 32.159, 247.110



6, 9.504, 238.512

Previews

White Background



This preview shows how the CIELCh color 49, 56.563, 45.588 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, 56.563, 45.588 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, 56.563, 45.588

Background



This preview shows how black text looks on a background with the CIELCh color 49, 56.563, 45.588.



This preview shows how white text looks on a background with the CIELCh color 49, 56.563, 45.588.

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, 56.563, 45.588

Protanopia

49, 33.527, 96.022

Deuteranopia

49, 42.315, 81.157



Tritanopia
49, 48.710, 23.575

Trichromacy



Original Color
49, 56.563, 45.588

Protanomaly
48, 37.316, 69.564

Deuteranomaly
49, 45.258, 65.152

Tritanomaly
49, 50.270, 32.643

Monochromacy



Original Color
49, 56.563, 45.588

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 18.942, 44.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 56.563, 45.588 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(189, 85, 49)` looks like.

```
.text, #text, p{  
    color:rgb(189, 85, 49)  
}
```

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(189, 85, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 85, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 56.563, 45.588 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(189, 85, 49) }
```

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

```
.border{ border-color:rgb(189, 85, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 85, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 85, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 85, 49);  
box-shadow:4px 4px 4px 4px rgb(189, 85,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 56.563, 45.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 85, 49) }
```

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

```
.background{ background-color: rgb(189, 85,  
49) }
```

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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