

Converting Colors

CIELCh(48, 56.670, 45.575)

Have a look what the booklet for
CIELCh(48, 56.670, 45.575) contains.

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Color

CIELCh(48, 56.360, 45.739)

Conversions

Conversions Part 1

Format	Color
Hex	BA532F
RGB	186, 83, 47
RGB Percent	73%, 33%, 18%
CMY	0.2711, 0.6749, 0.8161
CMYK	0.00, 0.55, 0.75, 0.27
HSL	16°, 60%, 46%
HSV	16°, 75%, 73%
XYZ	23.8109, 16.7945, 4.6647
YIQ	109.6930, 72.9440, 10.6400

Conversions

Conversions Part 2

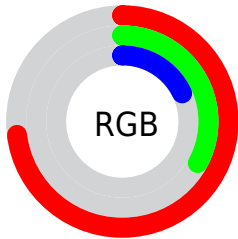
Format	Color
R_{YB}	186, 96, 47
Decimal	12210991
CIE Lab	48.00, 39.34, 40.36
CIE LCh	48, 56.360, 45.739
Yxy	16.7945, 0.5260, 0.3710
Android (android.graphics.Color)	4290401071 (0xFFBA532F)
YUV	109.6930, -30.9076, 66.9212
Hunter-Lab	40.9810, 31.9957, 21.9380

Details

The CIELCh color **48, 56.360, 45.739** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **58, 31.956, 237.930**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 56.173, 45.708**, and **28, 56.029, 45.709** is the 20% darker color. If you saturate the color by 10%, you get **45, 65.128, 45.986**, and if you desaturate by 10%, it is **51, 47.366, 45.421**.

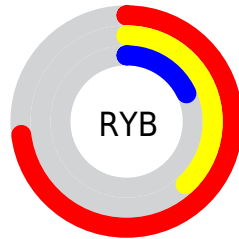
Distribution



Red (73%)

Green (33%)

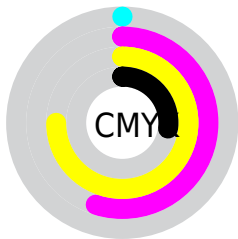
Blue (18%)



Red (73%)

Yellow (38%)

Blue (18%)

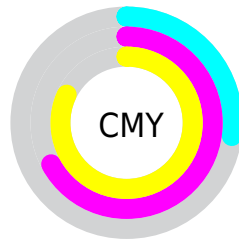


Cyan (0%)

Magenta (55%)

Yellow (75%)

Black (27%)



Cyan (27%)

Magenta (67%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 56.360, 45.739 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, 56.360, 45.739 by changing the saturation by 10% instead.

48, 56.360, 45.739

48, 56.360, 45.739

100, 56.360,
45.739

38, 56.360, 45.739

68, 56.360, 45.739

28, 56.360, 45.739

78, 56.360, 45.739

18, 56.360, 45.739

88, 56.360, 45.739

8, 56.360, 45.739

98, 56.360, 45.739

0, 56.360, 45.739

48, 56.360, 45.739

48, 56.360, 45.739

45, 65.128, 45.986

51, 47.366, 45.421

43, 72.640, 45.702

54, 38.637, 45.207

42, 76.158, 45.597

58, 30.378, 45.151

62, 22.664, 45.249

66, 15.508, 45.478

69, 8.886, 45.802

74, 2.759, 46.109

78, 2.922, 226.949

82, 8.203, 227.372

Harmonies

Complementary

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



48, 56.360, 45.739



58, 31.956, 237.930

Rectangle

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



48, 56.360, 45.739



48, 56.360, 95.739



48, 56.360, 225.739



48, 56.360, 275.739

Sweetspot

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



48, 56.358, 45.742



85, 16.919, 45.549



45, 69.133, 338.176



44, 11.586, 45.469



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



48, 56.358, 45.742



57, 85.898, 45.895



64, 56.606, 87.629



37, 3.304, 45.993



35, 66.417, 45.997



4, 9.070, 38.246

Inverse Universe

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



58, 31.956, 237.930



71, 42.895, 244.304



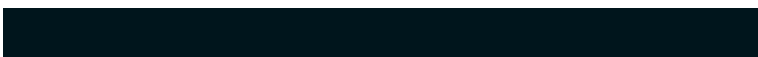
38, 63.601, 292.794



37, 3.132, 227.129



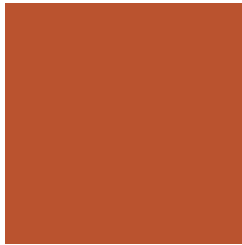
45, 31.831, 247.406



6, 8.548, 238.907

Previews

White Background



This preview shows how the CIELCh color 48, 56.360, 45.739 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, 56.360, 45.739 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, 56.360, 45.739

Background



This preview shows how black text looks on a background with the CIELCh color 48, 56.360, 45.739.



This preview shows how white text looks on a background with the CIELCh color 48, 56.360, 45.739.

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, 56.360, 45.739

Protanopia

48, 34.114, 95.997

Deuteranopia

48, 42.605, 81.772



Tritanopia
48, 48.005, 23.535

Trichromacy



Original Color
48, 56.360, 45.739

Protanomaly
47, 37.129, 70.014

Deuteranomaly
48, 45.053, 65.452

Tritanomaly
48, 50.303, 32.234

Monochromacy



Original Color
48, 56.360, 45.739

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 19.027, 44.805

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 56.360, 45.739 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(186, 83, 47)` looks like.

```
.text, #text, p{  
    color:rgb(186, 83, 47)  
}
```

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(186, 83, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 83, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 56.360, 45.739 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(186, 83, 47) }
```

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

```
.border{ border-color:rgb(186, 83, 47) }
```

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

Here you see how a box with a 4 pixel rgb(186, 83, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 83, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 83, 47);  
box-shadow:4px 4px 4px 4px rgb(186, 83,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 56.360, 45.739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 83, 47) }
```

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

```
.background{ background-color: rgb(186, 83,  
47) }
```

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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