

Converting Colors

CIELCh(49, 44.450, 27.799)

Have a look what the booklet for
CIELCh(49, 44.450, 27.799) contains.

CIELCh(49, 44.529, 27.856)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 44.529, 27.856)

Conversions

Conversions Part 1	
Format	Color
Hex	B85653
RGB	184, 86, 83
RGB Percent	72%, 34%, 33%
CMY	0.2767, 0.6612, 0.6731
CMYK	0.00, 0.53, 0.55, 0.28
HSL	2°, 42%, 53%
HSV	2°, 55%, 72%
XYZ	24.8091, 17.5941, 10.3455
YIQ	114.9600, 59.3710, 19.8430

Conversions

Conversions Part 2

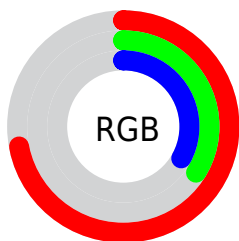
Format	Color
RYB	184, 86, 83
Decimal	12080723
CIELab	49.00, 39.37, 20.81
CIELCh	49, 44.529, 27.856
Yxy	17.5941, 0.4703, 0.3335
Android (android.graphics.Color)	4290270803 (0xFFB85653)
YUV	114.9600, -15.7563, 60.5481
Hunter-Lab	41.9453, 32.1719, 14.7383

Details

The CIELCh color **49, 44.529, 27.856** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **68, 29.505, 200.389**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 44.824, 27.970**, and **29, 44.414, 28.058** is the 20% darker color. If you saturate the color by 10%, you get **45, 53.937, 30.182**, and if you desaturate by 10%, it is **53, 35.302, 26.044**.

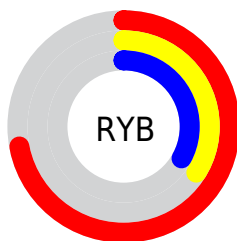
Distribution



Red (72%)

Green (34%)

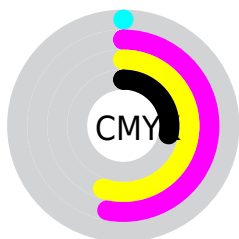
Blue (33%)



Red (72%)

Yellow (34%)

Blue (33%)

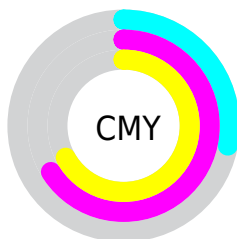


Cyan (0%)

Magenta (53%)

Yellow (55%)

Black (28%)



Cyan (28%)

Magenta (66%)







Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 44.529, 27.856 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, 44.529, 27.856 by changing the saturation by 10% instead.

 49, 44.529, 27.856	 49, 44.529, 27.856
 100, 44.529, 27.856	 39, 44.529, 27.856
 69, 44.529, 27.856	 29, 44.529, 27.856
 79, 44.529, 27.856	 19, 44.529, 27.856
 89, 44.529, 27.856	 9, 44.529, 27.856
 99, 44.529, 27.856	 0, 44.529, 27.856

 49, 44.529, 27.856	 49, 44.529, 27.856
 45, 53.937, 30.182	 53, 35.302, 26.044
 42, 63.213, 33.023	 58, 26.472, 24.654

 40, 71.828, 36.169

 62, 18.160, 23.595

 39, 78.653, 38.902


 67, 10.419, 22.778


 38, 81.568, 40.316

 72, 3.249, 22.065

 78, 3.377, 201.922

 83, 9.506, 201.472

 88, 15.189,
201.184

 93, 20.478,
200.970

Harmonies

Complementary

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



49, 44.529, 27.856



68, 29.505, 200.389

Rectangle

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



49, 44.529, 27.856



49, 44.529, 77.856



49, 44.529, 207.856



49, 44.529, 257.856

Sweetspot

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



49, 44.527, 27.859



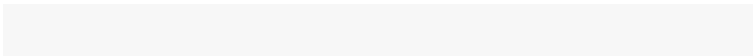
85, 14.013, 22.886



52, 64.089, 327.717



44, 9.532, 23.042



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, 44.527, 27.859



58, 68.263, 30.789



60, 37.353, 70.226



36, 3.887, 22.397



32, 71.459, 40.033



2, 10.405, 21.274

Inverse Universe

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



68, 29.505, 200.389



86, 40.589, 200.382



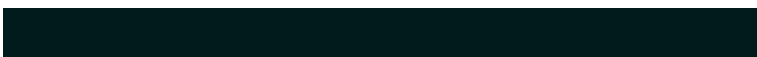
54, 32.460, 268.002



38, 3.664, 201.660



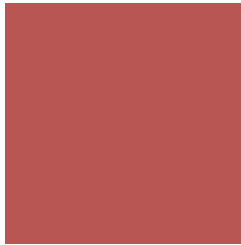
57, 33.252, 201.150



8, 10.026, 201.866

Previews

White Background



This preview shows how the CIELCh color 49, 44.529, 27.856 looks on a white background.

Color Contrast Check

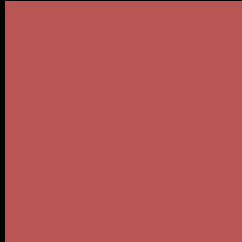
Large Text (above 18pt) WCAG AA ✓ Pass

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, 44.529, 27.856 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 49, 44.529, 27.856

Background



This preview shows how black text looks on a background with the CIELCh color 49, 44.529, 27.856.



This preview shows how white text looks on a background with the CIELCh color 49, 44.529, 27.856.

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, 44.529, 27.856

Protanopia

49, 12.048, 94.075

Deuteranopia

49, 23.394, 74.228



Tritanopia
49, 44.044, 21.609

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 44.529, 27.856 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(184, 86, 83)` looks like.

```
.text, #text, p{  
    color:rgb(184, 86, 83)  
}
```

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(184, 86, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 86, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 44.529, 27.856 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(184, 86, 83) }
```

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

```
.border{ border-color:rgb(184, 86, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 86, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 86, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 86, 83);  
box-shadow:4px 4px 4px 4px rgb(184, 86,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 44.529, 27.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 86, 83) }
```

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

```
.background{ background-color: rgb(184, 86,  
83) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor