

Converting Colors

CIELCh(49, 17.807, 96.330)

Have a look what the booklet for
CIELCh(49, 17.807, 96.330) contains.

CIELCh(49, 17.833, 96.305)	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, 17.833, 96.305)

Conversions

Conversions Part 1

Format	Color
Hex	7C7456
RGB	124, 116, 86
RGB Percent	49%, 45%, 34%
CMY	0.5119, 0.5433, 0.6610
CMYK	0.00, 0.06, 0.31, 0.51
HSL	47°, 18%, 41%
HSV	47°, 31%, 49%
XYZ	16.3744, 17.5941, 11.4291
YIQ	114.9720, 14.3980, -7.6340

Conversions

Conversions Part 2

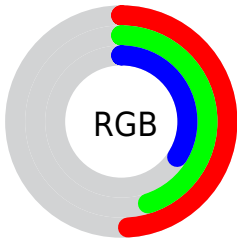
Format	Color
RYB	96, 124, 86
Decimal	8156246
CIELab	49.00, -1.96, 17.73
CIElCh	49, 17.833, 96.305
Yxy	17.5941, 0.3607, 0.3876
Android (android.graphics.Color)	4286346326 (0xFF7C7456)
YUV	114.9720, -14.2832, 7.9176
Hunter-Lab	41.9453, -3.7223, 13.2066

Details

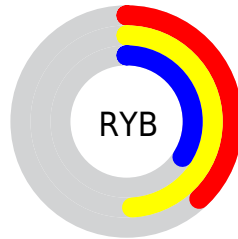
The CIELCh color $49, 17.833, 96.305$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $40, 18.401, 283.908$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 17.843, 96.510$, and $29, 18.000, 97.021$ is the 20% darker color. If you saturate the color by 10%, you get $48, 23.684, 95.129$, and if you desaturate by 10%, it is $50, 11.965, 97.466$.

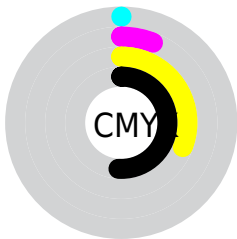
Distribution



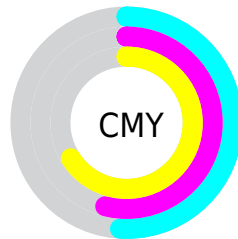
- Red (49%)
- Green (45%)
- Blue (34%)



- Red (38%)
- Yellow (49%)
- Blue (34%)



- Cyan (0%)
- Magenta (6%)
- Yellow (31%)
- Black (51%)



- Cyan (51%)
- Magenta (54%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 17.833, 96.305 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, 17.833, 96.305 by changing the saturation by 10% instead.

■ 49, 17.833, 96.305 ■ 49, 17.833, 96.305

■ 100, 17.833, 96.305 ■ 39, 17.833, 96.305

■ 69, 17.833, 96.305 ■ 29, 17.833, 96.305

■ 79, 17.833, 96.305 ■ 19, 17.833, 96.305

■ 89, 17.833, 96.305 ■ 9, 17.833, 96.305

■ 99, 17.833, 96.305 ■ 0, 17.833, 96.305

■ 49, 17.833, 96.305 ■ 49, 17.833, 96.305

■ 48, 23.684, 95.129 ■ 50, 11.965, 97.466

■ 47, 29.443, 93.928 ■ 51, 6.117, 98.587

■ 46, 34.987, 92.711

■ 52, 0.314, 99.333

■ 45, 40.113, 91.474

■ 53, 5.434, 280.778

■ 44, 44.510, 90.201

■ 54, 11.122,
281.781

■ 44, 47.767, 88.853

■ 56, 16.747,
282.747

■ 43, 50.156, 87.557

■ 57, 22.311,
283.669

■ 58, 27.814,
284.546

■ 59, 33.259,
285.378

Harmonies

Complementary

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



49, 17.833, 96.305



40, 18.401, 283.908

Rectangle

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



49, 17.833, 96.305



49, 17.833, 146.305



49, 17.833, 276.305



49, 17.833, 326.305

Sweetspot

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



49, 17.834, 96.310



65, 6.423, 98.733



41, 17.126, 5.239



34, 4.501, 98.599



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 17.834, 96.310



61, 26.628, 95.449



50, 22.355, 119.430



25, 3.217, 98.750



43, 50.295, 87.550



83, 84.272, 86.590

Inverse Universe

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



40, 18.401, 283.908



49, 27.750, 285.211



39, 23.733, 303.221



24, 3.250, 280.819



17, 66.153, 301.146



37, 116.728, 302.589

Previews

White Background



This preview shows how the CIELCh color 49, 17.833, 96.305 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, 17.833, 96.305 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, 17.833, 96.305

Background



This preview shows how black text looks on a background with the CIELCh color 49, 17.833, 96.305.



This preview shows how white text looks on a background with the CIELCh color 49, 17.833, 96.305.

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, 17.833, 96.305

Protanopia

49, 17.932, 94.903

Deuteranopia

49, 18.617, 71.024



Tritanopia
49, 8.691, 343.112

Trichromacy



Original Color
49, 17.833, 96.305

Protanomaly
49, 17.932, 94.903

Deuteranomaly
49, 17.789, 81.102

Tritanomaly
49, 6.499, 52.450

Monochromacy



Original Color
49, 17.833, 96.305

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 6.486, 101.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 17.833, 96.305 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(124, 116, 86)` looks like.

```
.text, #text, p{  
    color:rgb(124, 116, 86)  
}
```

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(124, 116, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 116, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 17.833, 96.305 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(124, 116, 86) }
```

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

```
.border{ border-color:rgb(124, 116, 86) }
```

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

Here you see how a box with a 4 pixel rgb(124, 116, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 116, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 116, 86);  
box-shadow:4px 4px 4px 4px rgb(124, 116,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 17.833, 96.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 116, 86) }
```

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

```
.background{ background-color: rgb(124,  
116, 86) }
```

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