

Converting Colors

CIELCh(49, 17.529, 87.087)

Have a look what the booklet for
CIELCh(49, 17.529, 87.087) contains.

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Color

CIELCh(49, 17.529, 87.087)

Conversions

Conversions Part 1

Format	Color
Hex	817357
RGB	129, 115, 87
RGB Percent	51%, 45%, 34%
CMY	0.4944, 0.5493, 0.6591
CMYK	0.00, 0.11, 0.33, 0.49
HSL	40°, 19%, 42%
HSV	40°, 33%, 51%
XYZ	16.8826, 17.5941, 11.5088
YIQ	115.9940, 17.3320, -5.7400

Conversions

Conversions Part 2

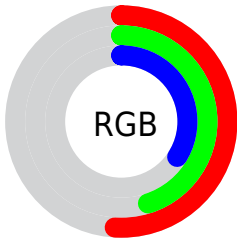
Format	Color
R_{YB}	108, 129, 87
Decimal	8483671
CIE Lab	49.00, 0.89, 17.51
CIE LCh	49, 17.529, 87.087
Yxy	17.5941, 0.3671, 0.3826
Android (android.graphics.Color)	4286673751 (0xFF817357)
YUV	115.9940, -14.2940, 11.4063
Hunter-Lab	41.9453, -1.5594, 13.0940

Details

The CIELCh color $49, 17.529, 87.087$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $43, 17.412, 276.026$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 17.515, 87.999$, and $29, 17.691, 86.834$ is the 20% darker color. If you saturate the color by 10%, you get $48, 23.100, 85.778$, and if you desaturate by 10%, it is $50, 12.031, 88.370$.

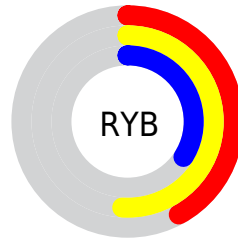
Distribution



Red (51%)

Green (45%)

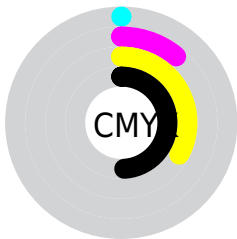
Blue (34%)



Red (42%)

Yellow (51%)

Blue (34%)

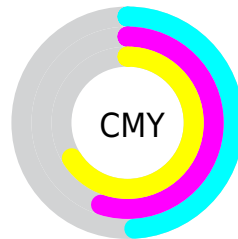


Cyan (0%)

Magenta (11%)

Yellow (33%)

Black (49%)



Cyan (49%)













Magenta (55%)







Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 17.529, 87.087 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, 17.529, 87.087 by changing the saturation by 10% instead.

 49, 17.529, 87.087	 49, 17.529, 87.087
 100, 17.529, 87.087	 39, 17.529, 87.087
 69, 17.529, 87.087	 29, 17.529, 87.087
 79, 17.529, 87.087	 19, 17.529, 87.087
 89, 17.529, 87.087	 9, 17.529, 87.087
 99, 17.529, 87.087	 0, 17.529, 87.087

 49, 17.529, 87.087	 49, 17.529, 87.087
 48, 23.100, 85.778	 50, 12.031, 88.370
 46, 28.686, 84.423	 52, 6.631, 89.601

■ 45, 34.180, 83.017

■ 54, 1.337, 90.700

■ 43, 39.385, 81.530

■ 55, 3.849, 272.034

■ 42, 43.970, 79.895

■ 57, 8.931, 273.120

■ 41, 47.457, 77.991

■ 58, 13.916,
274.176

■ 40, 49.805, 76.583

■ 60, 18.811,
275.186

■ 62, 23.623,
276.149

■ 63, 28.358,
277.063

Harmonies

Complementary

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



49, 17.529, 87.087



43, 17.412, 276.026

Rectangle

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



49, 17.529, 87.087



49, 17.529, 137.087



49, 17.529, 267.087



49, 17.529, 317.087

Sweetspot

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



49, 17.530, 87.093



67, 6.541, 89.880



42, 19.596, 357.134



34, 4.448, 89.741



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 17.530, 87.093



62, 26.260, 86.131



52, 24.109, 114.433



26, 2.934, 90.015



40, 49.409, 76.617



0, 0.000, 0.000

Inverse Universe

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



43, 17.412, 276.026



52, 26.074, 277.497



39, 25.920, 299.515



25, 2.935, 272.302



21, 56.611, 295.421



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 17.529, 87.087 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, 17.529, 87.087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

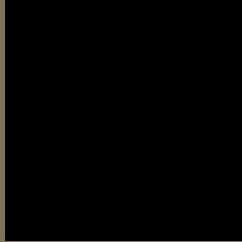
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 17.529, 87.087

Background



This preview shows how black text looks on a background with the CIELCh color 49, 17.529, 87.087.



This preview shows how white text looks on a background with the CIELCh color 49, 17.529, 87.087.

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, 17.529, 87.087

Protanopia

49, 16.805, 94.247

Deuteranopia

49, 18.137, 70.056



Tritanopia
49, 10.144, 353.215

Trichromacy



Original Color
49, 17.529, 87.087

Protanomaly
49, 16.921, 92.779

Deuteranomaly
49, 17.494, 75.692

Tritanomaly
49, 8.992, 39.167

Monochromacy



Original Color
49, 17.529, 87.087

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 6.761, 91.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 17.529, 87.087 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(129, 115, 87)` looks like.

```
.text, #text, p{  
    color:rgb(129, 115, 87)  
}
```

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(129, 115, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 115, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 17.529, 87.087 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(129, 115, 87) }
```

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

```
.border{ border-color:rgb(129, 115, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 115, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 115, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 115, 87);  
box-shadow:4px 4px 4px 4px rgb(129, 115,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 17.529, 87.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 115, 87) }
```

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

```
.background{ background-color: rgb(129,  
115, 87) }
```

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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