

Converting Colors

CIELCh(49, 18.647, 83.685)

Have a look what the booklet for
CIELCh(49, 18.647, 83.685) contains.

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Color

CIELCh(49, 18.647, 83.685)

Conversions

Conversions Part 1

Format	Color
Hex	837255
RGB	131, 114, 85
RGB Percent	51%, 45%, 33%
CMY	0.4853, 0.5520, 0.6658
CMYK	0.00, 0.13, 0.35, 0.49
HSL	38°, 21%, 42%
HSV	38°, 35%, 51%
XYZ	17.0926, 17.5941, 11.1377
YIQ	115.7770, 19.4410, -5.4150

Conversions

Conversions Part 2

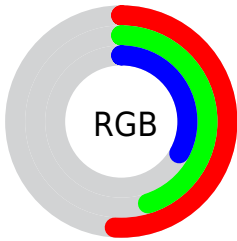
Format	Color
RYB	112, 131, 85
Decimal	8614485
CIELab	49.00, 2.05, 18.53
CIElCh	49, 18.647, 83.685
Yxy	17.5941, 0.3730, 0.3839
Android (android.graphics.Color)	4286804565 (0xFF837255)
YUV	115.7770, -15.1731, 13.3506
Hunter-Lab	41.9453, -0.6660, 13.6185

Details

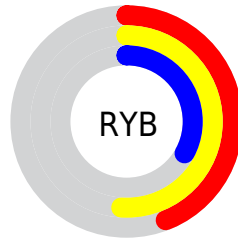
The CIELCh color $49, 18.647, 83.685$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $43, 18.215, 273.599$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 18.702, 83.725$, and $29, 18.944, 82.897$ is the 20% darker color. If you saturate the color by 10%, you get $47, 24.222, 82.350$, and if you desaturate by 10%, it is $51, 13.170, 84.994$.

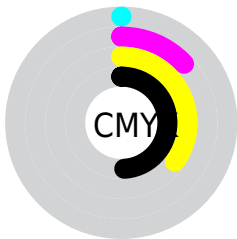
Distribution



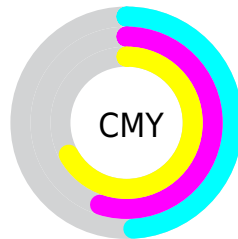
- Red (51%)
- Green (45%)
- Blue (33%)



- Red (44%)
- Yellow (51%)
- Blue (33%)



- Cyan (0%)
- Magenta (13%)
- Yellow (35%)
- Black (49%)



- Cyan (49%)
- Magenta (55%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 18.647, 83.685 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, 18.647, 83.685 by changing the saturation by 10% instead.

■ 49, 18.647, 83.685

■ 49, 18.647, 83.685

■ 100, 18.647,
83.685

■ 39, 18.647, 83.685

■ 69, 18.647, 83.685

■ 29, 18.647, 83.685

■ 79, 18.647, 83.685

■ 19, 18.647, 83.685

■ 89, 18.647, 83.685

■ 9, 18.647, 83.685

■ 99, 18.647, 83.685

■ 0, 18.647, 83.685

■ 49, 18.647, 83.685

■ 49, 18.647, 83.685

■ 47, 24.222, 82.350

■ 51, 13.170, 84.994

■ 46, 29.836, 80.966

■ 52, 7.815, 86.254

■ 44, 35.372, 79.522

■ 54, 2.590, 87.435

■ 43, 40.611, 77.971

■ 56, 2.507, 268.778

■ 42, 45.182, 76.221

■ 57, 7.483, 269.869

■ 40, 48.648, 74.146

■ 59, 12.346,
270.955

■ 40, 50.396, 73.201

■ 61, 17.106,
271.996

■ 63, 21.772,
272.990

■ 65, 26.352,
273.936

Harmonies

Complementary

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



49, 18.647, 83.685



43, 18.215, 273.599

Rectangle

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



49, 18.647, 83.685



49, 18.647, 133.685



49, 18.647, 263.685



49, 18.647, 313.685

Sweetspot

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



49, 18.648, 83.691



68, 7.044, 86.720



42, 21.928, 354.101



35, 4.777, 86.583



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 18.648, 83.691



61, 27.946, 82.635



53, 26.166, 112.088



27, 2.927, 86.973



39, 50.062, 73.231



0, 0.696, 88.114

Inverse Universe

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



43, 18.215, 273.599



52, 27.178, 275.288



39, 28.391, 298.176



26, 2.917, 269.319



23, 54.191, 293.259



0, 0.696, 268.122

Previews

White Background



This preview shows how the CIELCh color 49, 18.647, 83.685 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 CIE LCh color 49, 18.647, 83.685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

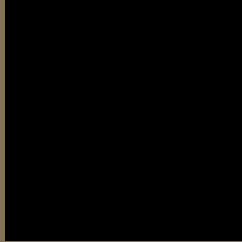
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 18.647, 83.685

Background



This preview shows how black text looks on a background with the CIELCh color 49, 18.647, 83.685.



This preview shows how white text looks on a background with the CIELCh color 49, 18.647, 83.685.

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, 18.647, 83.685

Protanopia

49, 17.932, 94.903

Deuteranopia

49, 19.390, 70.876



Tritanopia
49, 11.280, 356.351

Trichromacy



Original Color
49, 18.647, 83.685

Protanomaly
49, 17.770, 90.335

Deuteranomaly
49, 19.017, 75.029

Tritanomaly
49, 10.044, 40.690

Monochromacy



Original Color
49, 18.647, 83.685

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 6.550, 82.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 18.647, 83.685 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(131, 114, 85)` looks like.

```
.text, #text, p{  
    color:rgb(131, 114, 85)  
}
```

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(131, 114, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 114, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 18.647, 83.685 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(131, 114, 85) }
```

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

```
.border{ border-color:rgb(131, 114, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 114, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 114, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 114, 85);  
box-shadow:4px 4px 4px 4px rgb(131, 114,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 18.647, 83.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 114, 85) }
```

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

```
.background{ background-color: rgb(131,  
114, 85) }
```

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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