

Converting Colors

CIELCh(49, 10.176, 143.636)

Have a look what the booklet for
CIELCh(49, 10.176, 143.636)
contains.

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Color

CIELCh(49, 10.049, 143.795)

Conversions

Conversions Part 1

Format	Color
Hex	6A786A
RGB	106, 120, 106
RGB Percent	42%, 47%, 42%
CMY	0.5836, 0.5287, 0.5836
CMYK	0.12, 0.00, 0.12, 0.53
HSL	120°, 6%, 44%
HSV	120°, 12%, 47%
XYZ	15.3123, 17.5941, 16.2714
YIQ	114.2180, -3.8500, -7.3220

Conversions

Conversions Part 2

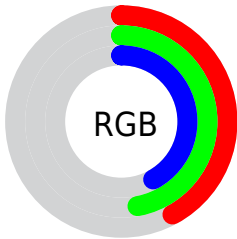
Format	Color
RYB	106, 120, 120
Decimal	6977642
CIELab	49.00, -8.11, 5.94
CIElCh	49, 10.049, 143.795
Yxy	17.5941, 0.3114, 0.3578
Android (android.graphics.Color)	4285167722 (0xFF6A786A)
YUV	114.2180, -4.0515, -7.2072
Hunter-Lab	41.9453, -8.2420, 6.3619

Details

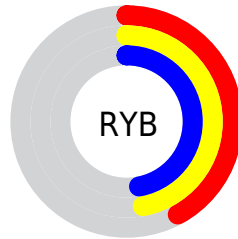
The CIELCh color $[49, 10.049, 143.795]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[47, 10.063, 325.033]$, and the grayscale version is $[48, 0.006, 296.813]$.

A 20% lighter version of the original color is $[69, 10.066, 143.962]$, and $[29, 10.222, 143.450]$ is the 20% darker color. If you saturate the color by 10%, you get $[48, 18.744, 143.112]$, and if you desaturate by 10%, it is $[50, 1.412, 144.480]$.

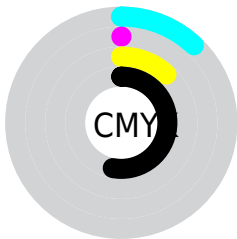
Distribution



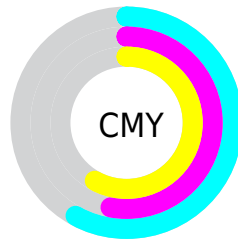
- Red (42%)
- Green (47%)
- Blue (42%)



- Red (42%)
- Yellow (47%)
- Blue (47%)



- Cyan (12%)
- Magenta (0%)
- Yellow (12%)
- Black (53%)





- Cyan (58%)
- Magenta (53%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 10.049, 143.795 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, 10.049, 143.795 by changing the saturation by 10% instead.


 49, 10.049,
143.795


 49, 10.049,
143.795


 100, 10.049,
143.795


 39, 10.049,
143.795

 69, 10.049,
143.795


 29, 10.049,
143.795

 79, 10.049,
143.795

 19, 10.049,
143.795

 89, 10.049,
143.795

 9, 10.049, 143.795

 99, 10.049,
143.795

 0, 10.049, 143.795

 49, 10.049,

 49, 10.049,

143.795

■ 48, 18.744,
143.112

■ 47, 27.377,
142.326

■ 46, 35.795,
141.428

■ 45, 43.801,
140.427

■ 45, 51.152,
139.354

■ 44, 57.561,
138.274

■ 44, 62.708,
137.293

■ 44, 66.299,
136.543

143.795

■ 50, 1.412, 144.480

■ 52, 7.088, 324.821

■ 53, 15.393,
325.252

■ 55, 23.468,
325.612

■ 56, 31.292,
325.918

■ 58, 38.859,
326.179

■ 60, 46.169,
326.404

■ 62, 53.229,
326.597

■ 43, 68.668,
136.016

■ 64, 60.049,
326.764

Harmonies

Complementary

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



49, 10.049, 143.795



47, 10.063, 325.033

Rectangle

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



49, 10.049, 143.795



49, 10.049, 193.795



49, 10.049, 323.795



49, 10.049, 13.795

Sweetspot

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



49, 10.050, 143.795



64, 3.172, 144.346



50, 8.145, 109.104



33, 2.426, 144.293



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 10.050, 143.795



62, 14.934, 143.621



49, 6.997, 162.753



25, 4.922, 143.957



45, 70.615, 136.016



87, 118.869, 136.016

Inverse Universe

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



47, 10.063, 325.033



58, 14.950, 325.177



46, 7.099, 344.549



24, 4.930, 324.894



29, 68.132, 328.233



60, 114.690, 328.233

Previews

White Background



This preview shows how the CIELCh color 49, 10.049, 143.795 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, 10.049, 143.795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

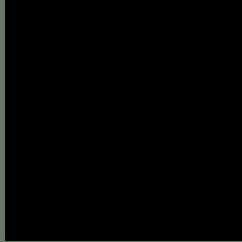
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 10.049, 143.795

Background



This preview shows how black text looks on a background with the CIELCh color 49, 10.049, 143.795.

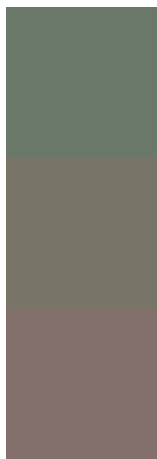


This preview shows how white text looks on a background with the CIELCh color 49, 10.049, 143.795.

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

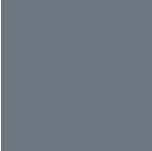
49, 10.049, 143.795

Protanopia

49, 7.321, 92.475

Deuteranopia

49, 8.372, 36.404



Tritanopia
49, 6.562, 263.100

Trichromacy



Original Color
49, 10.049, 143.795

Protanomaly
49, 7.641, 115.437

Deuteranomaly
49, 5.518, 77.430

Tritanomaly
49, 3.966, 207.605

Monochromacy



Original Color
49, 10.049, 143.795

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 3.590, 144.259

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 10.049, 143.795 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(106, 120, 106)` looks like.

```
.text, #text, p{  
    color:rgb(106, 120, 106)  
}
```

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(106, 120, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 120, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 10.049, 143.795 is called "border". The border property can be set on classes, ids or directly on the HTML element.

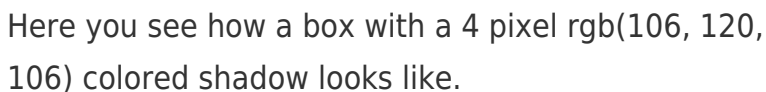
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 120, 106) }
```

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

```
.border{ border-color:rgb(106, 120, 106) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 120, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 120, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 120, 106); box-shadow:4px 4px 4px 4px rgb(106, 120, 106) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 10.049, 143.795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 120, 106) }
```

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

```
.background{ background-color: rgb(106,  
120, 106) }
```

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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