

Converting Colors

CIELCh(49, 17.857, 185.999)

Have a look what the booklet for
CIELCh(49, 17.857, 185.999)
contains.

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Color

CIELCh(49, 17.870, 186.064)

Conversions

Conversions Part 1

Format	Color
Hex	4D7D77
RGB	77, 125, 119
RGB Percent	30%, 49%, 47%
CMY	0.6978, 0.5096, 0.5331
CMYK	0.38, 0.00, 0.05, 0.51
HSL	172°, 24%, 40%
HSV	172°, 38%, 49%
XYZ	13.7383, 17.5941, 20.1414
YIQ	109.9640, -26.6820, -12.0420

Conversions

Conversions Part 2

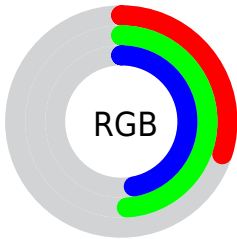
Format	Color
RYB	77, 103, 125
Decimal	5078391
CIELab	49.00, -17.77, -1.89
CIElCh	49, 17.870, 186.064
Yxy	17.5941, 0.2669, 0.3418
Android (android.graphics.Color)	4283268471 (0xFF4D7D77)
YUV	109.9640, 4.4547, -28.9094
Hunter-Lab	41.9453, -14.9404, 0.8916

Details

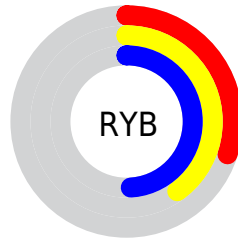
The CIELCh color $49, 17.870, 186.064$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $38, 21.701, 13.354$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 18.084, 185.590$, and $29, 17.881, 186.288$ is the 20% darker color. If you saturate the color by 10%, you get $48, 21.713, 185.186$, and if you desaturate by 10%, it is $50, 13.619, 186.905$.

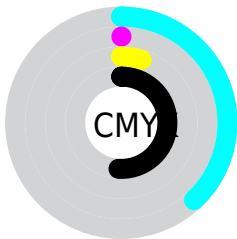
Distribution



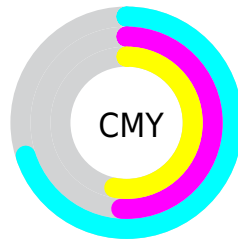
- Red (30%)
- Green (49%)
- Blue (47%)



- Red (30%)
- Yellow (40%)
- Blue (49%)



- Cyan (38%)
- Magenta (0%)
- Yellow (5%)
- Black (51%)



- Cyan (70%)
- Magenta (51%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 17.870, 186.064 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, 17.870, 186.064 by changing the saturation by 10% instead.

■ 49, 17.870,
186.064

■ 49, 17.870,
186.064

■ 100, 17.870,
186.064

■ 39, 17.870,
186.064

■ 69, 17.870,
186.064

■ 29, 17.870,
186.064

■ 79, 17.870,
186.064

■ 19, 17.870,
186.064

■ 89, 17.870,
186.064

■ 9, 17.870, 186.064

■ 99, 17.870,
186.064

■ 0, 17.870, 186.064

■ 49, 17.870,

■ 49, 17.870,

186.064

186.064

■ 48, 21.713,
185.186

■ 50, 13.619,
186.905

■ 48, 25.074,
184.264

■ 51, 9.036, 187.729

■ 47, 27.896,
183.283

■ 52, 4.198, 188.566

■ 53, 0.823, 8.792

■ 47, 30.145,
182.223

■ 54, 5.966, 9.941

■ 47, 31.819,
181.068

■ 55, 11.177, 10.713

■ 56, 16.414, 11.452

■ 47, 33.066,
179.844

■ 58, 21.644, 12.171

■ 47, 33.264,
179.653

■ 59, 26.841, 12.873

Harmonies

Complementary

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



49, 17.870, 186.064



38, 21.701, 13.354

Rectangle

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



49, 17.870, 186.064



49, 17.870, 236.064



49, 17.870, 6.064



49, 17.870, 56.064

Sweetspot

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



49, 17.870, 186.062



66, 7.421, 188.232



48, 32.780, 138.549



34, 4.889, 188.149



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, 17.870, 186.062



62, 25.795, 185.299



44, 14.677, 244.892



26, 2.864, 188.501



48, 33.740, 179.624



0, 0.000, 0.000

Inverse Universe

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



38, 21.701, 13.354



47, 32.920, 14.883



43, 17.793, 56.628



25, 2.987, 9.804



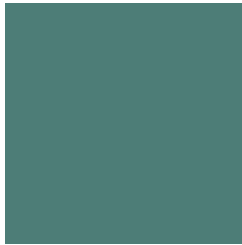
26, 57.380, 32.808



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 17.870, 186.064 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, 17.870, 186.064 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

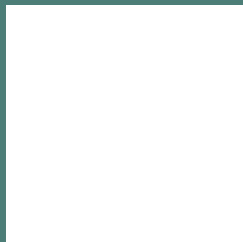
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 17.870, 186.064

Background



This preview shows how black text looks on a background with the CIELCh color 49, 17.870, 186.064.



This preview shows how white text looks on a background with the CIELCh color 49, 17.870, 186.064.

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, 17.870, 186.064

Protanopia

49, 1.728, 39.181

Deuteranopia

49, 7.893, 332.236



Tritanopia
49, 15.510, 220.454

Trichromacy



Original Color
49, 17.870, 186.064

Protanomaly
49, 6.206, 182.231

Deuteranomaly
49, 4.188, 233.406

Tritanomaly
49, 15.648, 206.536

Monochromacy



Original Color
49, 17.870, 186.064

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 6.816, 188.647

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 17.870, 186.064 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(77, 125, 119)` looks like.

```
.text, #text, p{  
    color:rgb(77, 125, 119)  
}
```

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(77, 125, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 125, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 17.870, 186.064 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(77, 125, 119) }
```

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

```
.border{ border-color:rgb(77, 125, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 125, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 125, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 125, 119);  
box-shadow:4px 4px 4px 4px rgb(77, 125,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 17.870, 186.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 125, 119) }
```

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

```
.background{ background-color: rgb(77, 125,  
119) }
```

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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