

Converting Colors

CIELCh(49, 19.064, 183.266)

Have a look what the booklet for
CIELCh(49, 19.064, 183.266)
contains.

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Color

CIELCh(49, 19.170, 183.117)

Conversions

Conversions Part 1

Format	Color
Hex	4B7E76
RGB	75, 126, 118
RGB Percent	29%, 49%, 46%
CMY	0.7075, 0.5075, 0.5388
CMYK	0.41, 0.00, 0.06, 0.51
HSL	171°, 25%, 39%
HSV	171°, 41%, 49%
XYZ	13.5239, 17.5941, 19.6965
YIQ	109.8390, -27.8280, -13.3000

Conversions

Conversions Part 2

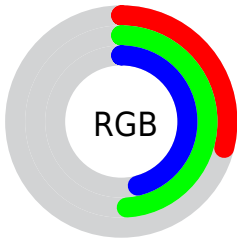
Format	Color
RYB	75, 103, 126
Decimal	4947574
CIELab	49.00, -19.14, -1.04
CIELCh	49, 19.170, 183.117
Yxy	17.5941, 0.2661, 0.3462
Android (android.graphics.Color)	4283137654 (0xFF4B7E76)
YUV	109.8390, 4.0234, -30.5538
Hunter-Lab	41.9453, -15.8525, 1.5206

Details

The CIELCh color **49, 19.170, 183.117** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **38, 23.166, 11.300**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 19.366, 182.972**, and **29, 19.292, 182.966** is the 20% darker color. If you saturate the color by 10%, you get **48, 23.052, 182.136**, and if you desaturate by 10%, it is **50, 14.877, 184.041**.

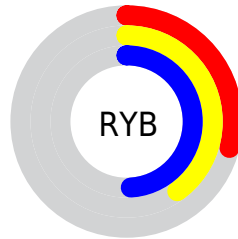
Distribution



Red (29%)

Green (49%)

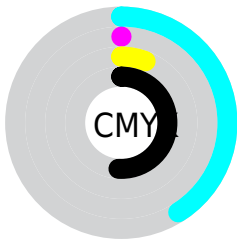
Blue (46%)



Red (29%)

Yellow (40%)

Blue (49%)

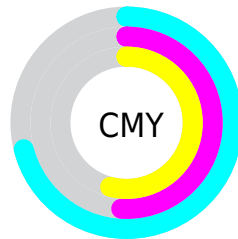


Cyan (41%)

Magenta (0%)

Yellow (6%)

Black (51%)



Cyan (71%)


Magenta (51%)

Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 19.170, 183.117 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, 19.170, 183.117 by changing the saturation by 10% instead.


 49, 19.170,
183.117


 49, 19.170,
183.117


 100, 19.170,
183.117


 39, 19.170,
183.117

 69, 19.170,
183.117


 29, 19.170,
183.117

 79, 19.170,
183.117

 19, 19.170,
183.117

 89, 19.170,
183.117

 9, 19.170, 183.117

 99, 19.170,
183.117

 0, 19.170, 183.117

 49, 19.170,

 49, 19.170,

183.117

183.117

■ 48, 23.052,
182.136

■ 50, 14.877,
184.041

■ 48, 26.449,
181.089

■ 51, 10.251,
184.930

■ 47, 29.307,
179.956

■ 52, 5.370, 185.807

■ 47, 31.593,
178.716

■ 53, 0.308, 187.758

■ 54, 4.873, 7.267

■ 47, 33.313,
177.353

■ 55, 10.116, 8.076

■ 47, 34.624,
176.029

■ 56, 15.380, 8.839

■ 58, 20.630, 9.576

■ 59, 25.840, 10.292

Harmonies

Complementary

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



49, 19.170, 183.117



38, 23.166, 11.300

Rectangle

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



49, 19.170, 183.117



49, 19.170, 233.117



49, 19.170, 3.117



49, 19.170, 53.117

Sweetspot

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



49, 19.170, 183.115



66, 7.510, 185.658



48, 34.390, 137.532



34, 4.948, 185.570



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, 19.170, 183.115



62, 27.703, 182.181



44, 15.243, 240.664



26, 2.896, 185.941



47, 35.013, 176.003



0, 0.000, 0.000

Inverse Universe

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



38, 23.166, 11.300



45, 35.172, 13.086



42, 19.114, 52.908



25, 3.011, 7.313



26, 56.229, 30.725



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 49, 19.170, 183.117 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, 19.170, 183.117 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, 19.170, 183.117

Background



This preview shows how black text looks on a background with the CIELCh color 49, 19.170, 183.117.



This preview shows how white text looks on a background with the CIELCh color 49, 19.170, 183.117.

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, 19.170, 183.117

Protanopia

49, 2.394, 66.582

Deuteranopia

49, 7.075, 338.628



Tritanopia
49, 16.056, 219.605

Trichromacy



Original Color
49, 19.170, 183.117

Protanomaly
49, 7.038, 173.952

Deuteranomaly
48, 4.075, 215.899

Tritanomaly
49, 16.545, 203.888

Monochromacy



Original Color
49, 19.170, 183.117

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 7.713, 185.209

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 19.170, 183.117 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(75, 126, 118)` looks like.

```
.text, #text, p{  
    color:rgb(75, 126, 118)  
}
```

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(75, 126, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 126, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 19.170, 183.117 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(75, 126, 118) }
```

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

```
.border{ border-color:rgb(75, 126, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 126, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 126, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 126, 118);  
box-shadow:4px 4px 4px 4px rgb(75, 126,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 19.170, 183.117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 126, 118) }
```

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

```
.background{ background-color: rgb(75, 126,  
118) }
```

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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