

Converting Colors

CIELCh(49, 19.403, 167.814)

Have a look what the booklet for
CIELCh(49, 19.403, 167.814)
contains.

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Color

CIELCh(49, 19.389, 168.318)

Conversions

Conversions Part 1

Format	Color
Hex	517D6D
RGB	81, 125, 109
RGB Percent	32%, 49%, 43%
CMY	0.6815, 0.5089, 0.5717
CMYK	0.35, 0.00, 0.13, 0.51
HSL	158°, 21%, 40%
HSV	158°, 35%, 49%
XYZ	13.5479, 17.5941, 17.2134
YIQ	110.0200, -21.0880, -14.3040

Conversions

Conversions Part 2

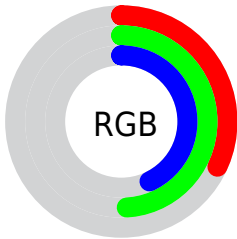
Format	Color
R_{YB}	81, 108, 125
Decimal	5340525
CIE _{Lab}	49.00, -18.99, 3.93
CIE _{LCh}	49, 19.389, 168.318
Yxy	17.5941, 0.2802, 0.3638
Android (android.graphics.Color)	4283530605 (0xFF517D6D)
YUV	110.0200, -0.5029, -25.4505
Hunter-Lab	41.9453, -15.7504, 5.0304

Details

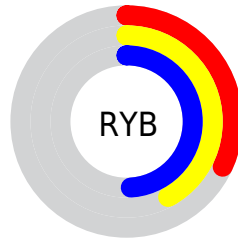
The CIELCh color **49, 19.389, 168.318** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **40, 20.959, 355.395**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 19.616, 167.514**, and **29, 19.280, 168.633** is the 20% darker color. If you saturate the color by 10%, you get **48, 24.458, 167.132**, and if you desaturate by 10%, it is **50, 14.053, 169.394**.

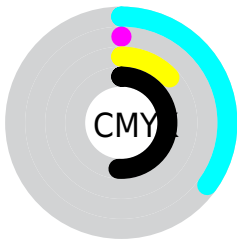
Distribution



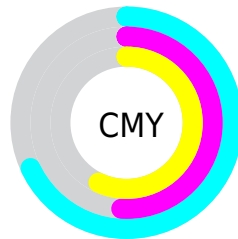
- Red (32%)
- Green (49%)
- Blue (43%)



- Red (32%)
- Yellow (42%)
- Blue (49%)



- Cyan (35%)
- Magenta (0%)
- Yellow (13%)
- Black (51%)





- Cyan (68%)
- Magenta (51%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 19.389, 168.318 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, 19.389, 168.318 by changing the saturation by 10% instead.


 49, 19.389,
168.318


 49, 19.389,
168.318


 100, 19.389,
168.318


 39, 19.389,
168.318

 69, 19.389,
168.318


 29, 19.389,
168.318

 79, 19.389,
168.318

 19, 19.389,
168.318

 89, 19.389,
168.318

 9, 19.389, 168.318

 99, 19.389,
168.318

 0, 19.389, 168.318

 49, 19.389,

 49, 19.389,

168.318

168.318

■ 48, 24.458,
167.132

■ 50, 14.053,
169.394

■ 48, 29.170,
165.820

■ 51, 8.534, 170.389

■ 47, 33.446,
164.356

■ 52, 2.908, 171.367

■ 53, 2.759, 351.979

■ 47, 37.220,
162.720

■ 54, 8.413, 352.844

■ 46, 40.461,
160.896

■ 56, 14.014,
353.600

■ 46, 43.202,
158.901

■ 57, 19.530,
354.307

■ 46, 44.486,
157.972

■ 59, 24.940,
354.977

■ 60, 30.230,
355.614

Harmonies

Complementary

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



49, 19.389, 168.318



40, 20.959, 355.395

Rectangle

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



49, 19.389, 168.318



49, 19.389, 218.318



49, 19.389, 348.318



49, 19.389, 38.318

Sweetspot

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



49, 19.390, 168.316



66, 7.715, 170.761



49, 28.018, 132.017



34, 5.155, 170.659



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, 19.390, 168.316



62, 28.382, 167.395



48, 13.973, 212.488



26, 3.233, 170.967



47, 45.099, 157.927



0, 0.000, 0.000

Inverse Universe

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



40, 20.959, 355.395



49, 31.214, 356.532



41, 17.829, 33.026



25, 3.299, 352.444



26, 50.904, 13.287



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 19.389, 168.318 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, 19.389, 168.318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

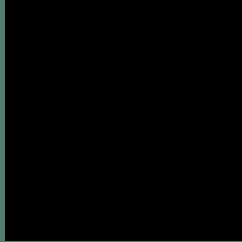
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 19.389, 168.318

Background



This preview shows how black text looks on a background with the CIELCh color 49, 19.389, 168.318.

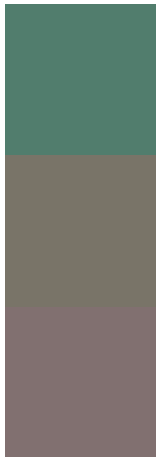


This preview shows how white text looks on a background with the CIELCh color 49, 19.389, 168.318.

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, 19.389, 168.318

Protanopia
49, 7.321, 92.475

Deuteranopia
49, 7.076, 20.189



Tritanopia
49, 13.839, 223.514

Trichromacy



Original Color
49, 19.389, 168.318

Protanomaly
49, 9.110, 141.819

Deuteranomaly
49, 4.083, 139.609

Tritanomaly
49, 14.178, 200.322

Monochromacy



Original Color
49, 19.389, 168.318

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 7.362, 169.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 19.389, 168.318 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(81, 125, 109)` looks like.

```
.text, #text, p{  
    color:rgb(81, 125, 109)  
}
```

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(81, 125, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 125, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 19.389, 168.318 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(81, 125, 109) }
```

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

```
.border{ border-color:rgb(81, 125, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 125, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 125, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 125, 109);  
box-shadow:4px 4px 4px 4px rgb(81, 125,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 19.389, 168.318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 125, 109) }
```

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

```
.background{ background-color: rgb(81, 125,  
109) }
```

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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