

Converting Colors

CIELCh(49, 15.069, 193.315)

Have a look what the booklet for
CIELCh(49, 15.069, 193.315)
contains.

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Color

CIELCh(49, 15.069, 193.315)

Conversions

Conversions Part 1

Format	Color
Hex	537C7A
RGB	83, 124, 122
RGB Percent	33%, 49%, 48%
CMY	0.6753, 0.5145, 0.5224
CMYK	0.33, 0.00, 0.02, 0.51
HSL	177°, 20%, 41%
HSV	177°, 33%, 49%
XYZ	14.2319, 17.5941, 20.9923
YIQ	111.5130, -23.7940, -9.3140

Conversions

Conversions Part 2

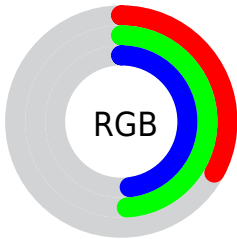
Format	Color
R_{YB}	83, 104, 124
Decimal	5471354
CIE _{Lab}	49.00, -14.66, -3.47
CIE _{LCh}	49, 15.069, 193.315
Yxy	17.5941, 0.2695, 0.3331
Android (android.graphics.Color)	4283661434 (0xFF537C7A)
YUV	111.5130, 5.1701, -25.0059
Hunter-Lab	41.9453, -12.8396, -0.3111

Details

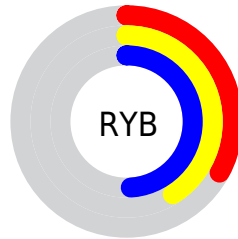
The CIELCh color `49, 15.069, 193.315` is a dark color, and the websafe version is hex `336666`. A complement of this color would be `40, 18.366, 18.415`, and the grayscale version is `47, 0.006, 296.813`.

A 20% lighter version of the original color is `69, 15.298, 191.950`, and `29, 15.244, 192.238` is the 20% darker color. If you saturate the color by 10%, you get `48, 18.872, 192.714`, and if you desaturate by 10%, it is `50, 10.862, 193.929`.

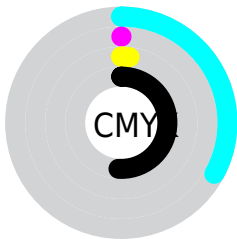
Distribution



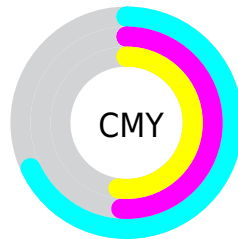
- Red (33%)
- Green (49%)
- Blue (48%)



- Red (33%)
- Yellow (41%)
- Blue (49%)



- Cyan (33%)
- Magenta (0%)
- Yellow (2%)
- Black (51%)





- Cyan (68%)
- Magenta (51%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 15.069, 193.315 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, 15.069, 193.315 by changing the saturation by 10% instead.


 49, 15.069,
193.315


 49, 15.069,
193.315


 100, 15.069,
193.315


 39, 15.069,
193.315

 69, 15.069,
193.315


 29, 15.069,
193.315

 79, 15.069,
193.315

 19, 15.069,
193.315

 89, 15.069,
193.315

 9, 15.069, 193.315

 99, 15.069,
193.315

 0, 15.069, 193.315

 49, 15.069,

 49, 15.069,

193.315

■ 48, 18.872,
192.714

■ 48, 22.199,
192.131

■ 47, 24.992,
191.558

■ 47, 27.210,
190.988

■ 47, 28.842,
190.412

■ 47, 29.914,
189.817

■ 47, 30.516,
189.411

193.315

■ 50, 10.862,
193.929

■ 51, 6.326, 194.577

■ 52, 1.533, 195.402

■ 53, 3.448, 15.686

■ 54, 8.561, 16.404

■ 55, 13.754, 17.077

■ 56, 18.987, 17.741

■ 58, 24.228, 18.398

■ 59, 29.453, 19.048

Harmonies

Complementary

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



49, 15.069, 193.315



40, 18.366, 18.415

Rectangle

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



49, 15.069, 193.315



49, 15.069, 243.315



49, 15.069, 13.315



49, 15.069, 63.315

Sweetspot

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



49, 15.069, 193.312



65, 6.008, 194.775



48, 28.866, 141.015



34, 4.121, 194.694



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, 15.069, 193.312



62, 21.864, 192.841



43, 13.462, 254.662



25, 2.716, 194.860



47, 30.721, 189.404



90, 51.838, 189.045

Inverse Universe

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



40, 18.366, 18.415



48, 28.106, 19.554



45, 15.127, 66.178



24, 2.854, 15.913



25, 58.689, 36.229



53, 101.914, 38.658

Previews

White Background



This preview shows how the CIELCh color 49, 15.069, 193.315 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, 15.069, 193.315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

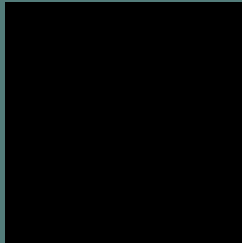
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 15.069, 193.315

Background



This preview shows how black text looks on a background with the CIELCh color 49, 15.069, 193.315.



This preview shows how white text looks on a background with the CIELCh color 49, 15.069, 193.315.

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, 15.069, 193.315

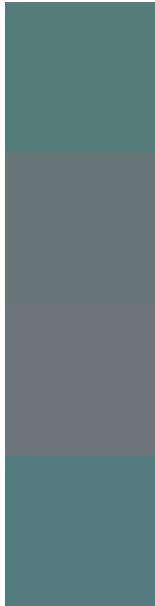
Protanopia
49, 1.702, 335.694

Deuteranopia
49, 7.848, 324.883



Tritanopia
49, 14.121, 222.949

Trichromacy



Original Color
49, 15.069, 193.315

Protanomaly
49, 5.104, 205.556

Deuteranomaly
49, 4.650, 248.682

Tritanomaly
49, 14.164, 210.063

Monochromacy



Original Color
49, 15.069, 193.315

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 5.939, 193.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 15.069, 193.315 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(83, 124, 122)` looks like.

```
.text, #text, p{  
    color:rgb(83, 124, 122)  
}
```

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(83, 124, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 124, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 15.069, 193.315 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(83, 124, 122) }
```

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

```
.border{ border-color:rgb(83, 124, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 124, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 124, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 124, 122);  
box-shadow:4px 4px 4px 4px rgb(83, 124,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 15.069, 193.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 124, 122) }
```

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

```
.background{ background-color: rgb(83, 124,  
122) }
```

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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