

Converting Colors

CIELCh(49, 18.575, 158.321)

Have a look what the booklet for
CIELCh(49, 18.575, 158.321)
contains.

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Color

CIELCh(49, 18.575, 158.321)

Conversions

Conversions Part 1

Format	Color
Hex	587C68
RGB	88, 124, 104
RGB Percent	35%, 49%, 41%
CMY	0.6537, 0.5124, 0.5909
CMYK	0.29, 0.00, 0.16, 0.51
HSL	147°, 17%, 42%
HSV	147°, 29%, 49%
XYZ	13.8183, 17.5941, 15.8492
YIQ	110.9560, -15.0360, -13.8520

Conversions

Conversions Part 2

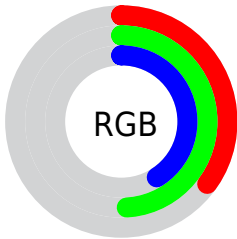
Format	Color
R_{YB}	88, 113, 124
Decimal	5799016
CIE _{Lab}	49.00, -17.26, 6.86
CIE _{LCh}	49, 18.575, 158.321
Yxy	17.5941, 0.2924, 0.3723
Android (android.graphics.Color)	4283989096 (0xFF587C68)
YUV	110.9560, -3.4293, -20.1324
Hunter-Lab	41.9453, -14.5997, 6.9587

Details

The CIELCh color $49, 18.575, 158.321$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $42, 19.058, 343.150$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 18.754, 157.872$, and $29, 18.533, 158.121$ is the 20% darker color. If you saturate the color by 10%, you get $48, 24.801, 157.257$, and if you desaturate by 10%, it is $50, 12.201, 159.268$.

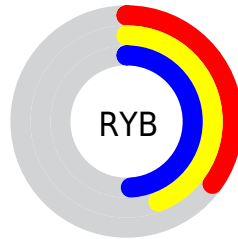
Distribution



Red (35%)

Green (49%)

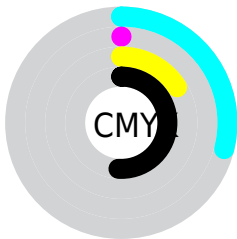
Blue (41%)



Red (35%)

Yellow (44%)

Blue (49%)

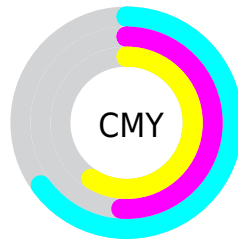


Cyan (29%)

Magenta (0%)

Yellow (16%)

Black (51%)



Cyan (65%)


Magenta (51%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 18.575, 158.321 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, 18.575, 158.321 by changing the saturation by 10% instead.


 49, 18.575,
158.321


 49, 18.575,
158.321


 100, 18.575,
158.321


 39, 18.575,
158.321

 69, 18.575,
158.321


 29, 18.575,
158.321

 79, 18.575,
158.321

 19, 18.575,
158.321

 89, 18.575,
158.321

 9, 18.575, 158.321

 99, 18.575,
158.321

 0, 18.575, 158.321

 49, 18.575,

 49, 18.575,

158.321

158.321

■ 48, 24.801,
157.257

■ 50, 12.201,
159.268

■ 47, 30.778,
156.056

■ 51, 5.762, 160.133

■ 47, 36.404,
154.696

■ 52, 0.667, 340.433

■ 54, 7.031, 341.488

■ 46, 41.581,
153.157

■ 55, 13.286,
342.131

■ 46, 46.231,
151.426

■ 56, 19.402,
342.712

■ 46, 50.309,
149.506

■ 58, 25.361,
343.247

■ 45, 53.937,
147.536

■ 60, 31.150,
343.743

■ 45, 54.305,
147.349

■ 61, 36.765,

Harmonies

Complementary

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



49, 18.575, 158.321



42, 19.058, 343.150

Rectangle

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



49, 18.575, 158.321



49, 18.575, 208.321



49, 18.575, 338.321



49, 18.575, 28.321

Sweetspot

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



49, 18.576, 158.320



65, 7.133, 160.112



50, 21.832, 125.353



34, 4.997, 160.008



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, 18.576, 158.320



62, 27.552, 157.605



49, 13.492, 191.958



25, 3.573, 160.126



46, 54.514, 147.337



88, 94.327, 146.048

Inverse Universe

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



42, 19.058, 343.150



51, 28.409, 343.828



41, 15.897, 16.509



24, 3.607, 341.406



26, 50.903, 355.511



55, 85.028, 357.599

Previews

White Background



This preview shows how the CIELCh color 49, 18.575, 158.321 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, 18.575, 158.321 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, 18.575, 158.321

Background



This preview shows how black text looks on a background with the CIELCh color 49, 18.575, 158.321.

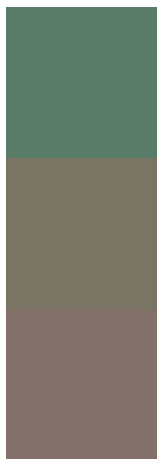


This preview shows how white text looks on a background with the CIELCh color 49, 18.575, 158.321.

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, 18.575, 158.321

Protanopia

49, 9.693, 93.568

Deuteranopia

49, 8.582, 40.067



Tritanopia
49, 11.035, 227.287

Trichromacy



Original Color
49, 18.575, 158.321

Protanomaly
49, 10.642, 129.499

Deuteranomaly
48, 5.874, 113.444

Tritanomaly
49, 11.325, 195.218

Monochromacy



Original Color
49, 18.575, 158.321

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 6.721, 160.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 18.575, 158.321 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(88, 124, 104)` looks like.

```
.text, #text, p{  
    color:rgb(88, 124, 104)  
}
```

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(88, 124, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 124, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 18.575, 158.321 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(88, 124, 104) }
```

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

```
.border{ border-color:rgb(88, 124, 104) }
```

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

Here you see how a box with a 4 pixel rgb(88, 124, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 124, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 124, 104);  
box-shadow:4px 4px 4px 4px rgb(88, 124,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 18.575, 158.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 124, 104) }
```

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

```
.background{ background-color: rgb(88, 124,  
104) }
```

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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