

Converting Colors

CIELCh(49, 15.198, 151.491)

Have a look what the booklet for
CIELCh(49, 15.198, 151.491)
contains.

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Color

CIELCh(49, 15.388, 151.589)

Conversions

Conversions Part 1

Format	Color
Hex	617B68
RGB	97, 123, 104
RGB Percent	38%, 48%, 41%
CMY	0.6209, 0.5190, 0.5935
CMYK	0.21, 0.00, 0.15, 0.52
HSL	136°, 12%, 43%
HSV	136°, 21%, 48%
XYZ	14.4143, 17.5941, 15.6423
YIQ	113.0600, -9.3970, -11.4210

Conversions

Conversions Part 2

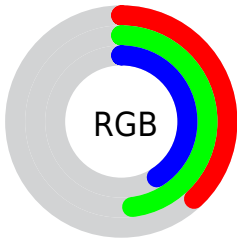
Format	Color
R_{YB}	97, 117, 123
Decimal	6388584
CIE Lab	49.00, -13.53, 7.32
CIE LCh	49, 15.388, 151.589
Yxy	17.5941, 0.3025, 0.3692
Android (android.graphics.Color)	4284578664 (0xFF617B68)
YUV	113.0600, -4.4666, -14.0846
Hunter-Lab	41.9453, -12.0635, 7.2512

Details

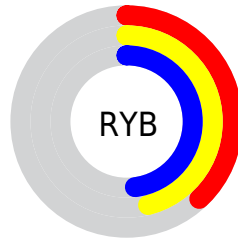
The CIELCh color $49, 15.388, 151.589$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $44, 15.493, 334.440$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 15.730, 151.249$, and $29, 15.244, 151.629$ is the 20% darker color. If you saturate the color by 10%, you get $48, 22.628, 150.711$, and if you desaturate by 10%, it is $50, 8.103, 152.363$.

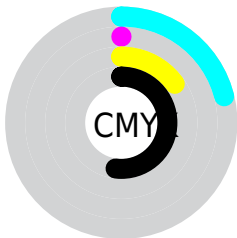
Distribution



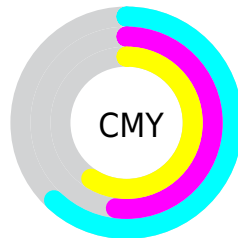
- Red (38%)
- Green (48%)
- Blue (41%)



- Red (38%)
- Yellow (46%)
- Blue (48%)



- Cyan (21%)
- Magenta (0%)
- Yellow (15%)
- Black (52%)





- Cyan (62%)
- Magenta (52%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 15.388, 151.589 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, 15.388, 151.589 by changing the saturation by 10% instead.


 49, 15.388,
151.589


 49, 15.388,
151.589


 100, 15.388,
151.589


 39, 15.388,
151.589

 69, 15.388,
151.589


 29, 15.388,
151.589

 79, 15.388,
151.589

 19, 15.388,
151.589

 89, 15.388,
151.589

 9, 15.388, 151.589

 99, 15.388,
151.589

 0, 15.388, 151.589

 49, 15.388,

 49, 15.388,

151.589

■ 48, 22.628,
150.711

■ 47, 29.716,
149.707

■ 46, 36.531,
148.558

■ 46, 42.943,
147.248

■ 45, 48.819,
145.774

■ 45, 54.039,
144.147

■ 45, 58.509,
142.402

■ 45, 61.927,
140.980

151.589

■ 50, 8.103, 152.363

■ 51, 0.853, 153.271

■ 53, 6.297, 333.551

■ 54, 13.300,
334.090

■ 56, 20.125,
334.559

■ 57, 26.753,
334.977

■ 59, 33.174,
335.353

■ 61, 39.386,
335.694

■ 62, 45.392,

Harmonies

Complementary

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



49, 15.388, 151.589



44, 15.493, 334.440

Rectangle

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



49, 15.388, 151.589



49, 15.388, 201.589



49, 15.388, 331.589



49, 15.388, 21.589

Sweetspot

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



49, 15.389, 151.588



65, 5.401, 152.733



50, 15.340, 119.309



34, 3.612, 152.695



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, 15.389, 151.588



63, 22.643, 151.214



49, 10.748, 178.879



25, 4.066, 152.519



45, 62.817, 140.940



87, 108.394, 139.875

Inverse Universe

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



44, 15.493, 334.440



55, 22.815, 334.751



44, 11.571, 2.810



24, 4.084, 333.613



27, 55.864, 342.074



56, 93.149, 343.047

Previews

White Background



This preview shows how the CIELCh color 49, 15.388, 151.589 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, 15.388, 151.589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

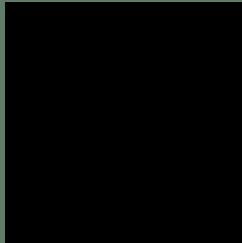
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

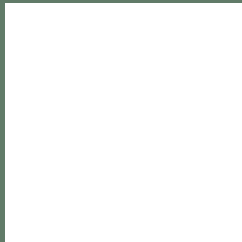
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 15.388, 151.589

Background



This preview shows how black text looks on a background with the CIELCh color 49, 15.388, 151.589.

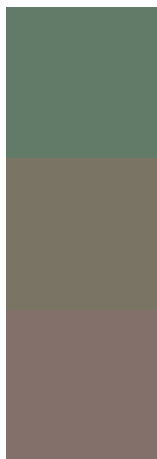


This preview shows how white text looks on a background with the CIELCh color 49, 15.388, 151.589.

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

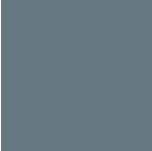
49, 15.388, 151.589

Protanopia

49, 9.693, 93.568

Deuteranopia

49, 8.827, 43.537



Tritanopia
49, 8.791, 241.000

Trichromacy



Original Color
49, 15.388, 151.589

Protanomaly
49, 10.160, 120.790

Deuteranomaly
49, 6.551, 98.227

Tritanomaly
49, 8.074, 198.565

Monochromacy



Original Color
49, 15.388, 151.589

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 5.812, 153.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 15.388, 151.589 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(97, 123, 104)` looks like.

```
.text, #text, p{  
    color:rgb(97, 123, 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(97, 123, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 123, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 15.388, 151.589 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(97, 123, 104) }
```

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

```
.border{ border-color:rgb(97, 123, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 123, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 123, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 123, 104);  
box-shadow:4px 4px 4px 4px rgb(97, 123,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 15.388, 151.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 123, 104) }
```

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

```
.background{ background-color: rgb(97, 123,  
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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