

Converting Colors

CIELCh(49, 14.370, 158.899)

Have a look what the booklet for
CIELCh(49, 14.370, 158.899)
contains.

CIELCh(49, 14.681, 158.170)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 14.681, 158.170)

Conversions

Conversions Part 1

Format	Color
Hex	5F7B6B
RGB	95, 123, 107
RGB Percent	37%, 48%, 42%
CMY	0.6282, 0.5184, 0.5812
CMYK	0.23, 0.00, 0.13, 0.52
HSL	146°, 13%, 43%
HSV	146°, 23%, 48%
XYZ	14.3991, 17.5941, 16.4915
YIQ	112.8040, -11.5520, -10.9120

Conversions

Conversions Part 2

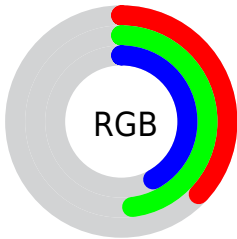
Format	Color
R_{YB}	95, 115, 123
Decimal	6257515
CIE _{Lab}	49.00, -13.63, 5.46
CIE _{LCh}	49, 14.681, 158.170
Yxy	17.5941, 0.2970, 0.3629
Android (android.graphics.Color)	4284447595 (0xFF5F7B6B)
YUV	112.8040, -2.8614, -15.6141
Hunter-Lab	41.9453, -12.1281, 6.0508

Details

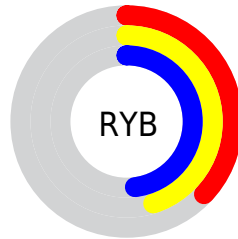
The CIELCh color $49, 14.681, 158.170$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $43, 14.962, 341.772$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 15.064, 157.305$, and $29, 14.446, 158.755$ is the 20% darker color. If you saturate the color by 10%, you get $48, 21.031, 157.189$, and if you desaturate by 10%, it is $50, 8.243, 159.049$.

Distribution



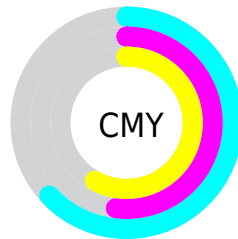
- Red (37%)
- Green (48%)
- Blue (42%)



- Red (37%)
- Yellow (45%)
- Blue (48%)



- Cyan (23%)
- Magenta (0%)
- Yellow (13%)
- Black (52%)





- Cyan (63%)
- Magenta (52%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 14.681, 158.170 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, 14.681, 158.170 by changing the saturation by 10% instead.


 49, 14.681,
158.170


 49, 14.681,
158.170


 100, 14.681,
158.170


 39, 14.681,
158.170

 69, 14.681,
158.170


 29, 14.681,
158.170

 79, 14.681,
158.170

 19, 14.681,
158.170

 89, 14.681,
158.170

 9, 14.681, 158.170

 99, 14.681,
158.170

 0, 14.681, 158.170

 49, 14.681,

 49, 14.681,

158.170

■ 48, 21.031,
157.189

■ 47, 27.199,
156.086

■ 47, 33.084,
154.835

■ 46, 38.584,
153.417

■ 46, 43.605,
151.815

■ 45, 48.078,
150.021

■ 45, 51.972,
148.050

■ 45, 54.580,
146.692

158.170

■ 50, 8.243, 159.049

■ 51, 1.793, 159.940

■ 52, 4.607, 340.433

■ 54, 10.910,
341.101

■ 55, 17.081,
341.690

■ 57, 23.098,
342.229

■ 58, 28.947,
342.726

■ 60, 34.621,
343.188

■ 62, 40.120,

Harmonies

Complementary

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



49, 14.681, 158.170



43, 14.962, 341.772

Rectangle

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



49, 14.681, 158.170



49, 14.681, 208.170



49, 14.681, 338.170



49, 14.681, 28.170

Sweetspot

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



49, 14.682, 158.169



65, 5.608, 159.520



50, 16.974, 125.033



34, 3.673, 159.484



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, 14.682, 158.169



62, 21.631, 157.706



49, 10.762, 190.928



25, 3.615, 159.361



46, 55.318, 146.648



87, 95.724, 145.370

Inverse Universe

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



43, 14.962, 341.772



54, 22.123, 342.208



43, 12.149, 14.487



24, 3.647, 340.623



26, 51.203, 354.166



55, 85.472, 356.146

Previews

White Background



This preview shows how the CIELCh color 49, 14.681, 158.170 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, 14.681, 158.170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

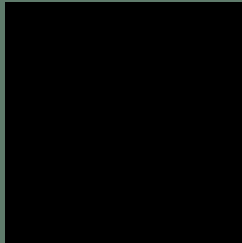
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 14.681, 158.170

Background



This preview shows how black text looks on a background with the CIELCh color 49, 14.681, 158.170.

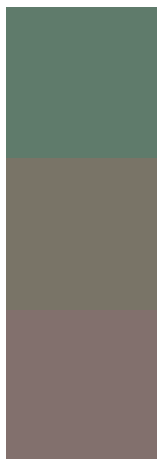


This preview shows how white text looks on a background with the CIELCh color 49, 14.681, 158.170.

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, 14.681, 158.170

Protanopia

49, 7.884, 93.578

Deuteranopia

49, 7.779, 33.198



Tritanopia
49, 9.287, 233.581

Trichromacy



Original Color
49, 14.681, 158.170

Protanomaly
49, 8.712, 128.575

Deuteranomaly
49, 4.697, 104.478

Tritanomaly
49, 9.150, 198.450

Monochromacy



Original Color
49, 14.681, 158.170

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 5.706, 160.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 14.681, 158.170 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(95, 123, 107)` looks like.

```
.text, #text, p{  
    color:rgb(95, 123, 107)  
}
```

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(95, 123, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 123, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 14.681, 158.170 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(95, 123, 107) }
```

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

```
.border{ border-color:rgb(95, 123, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 123, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 123, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 123, 107);  
box-shadow:4px 4px 4px 4px rgb(95, 123,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 14.681, 158.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 123, 107) }
```

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

```
.background{ background-color: rgb(95, 123,  
107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor