

Converting Colors

CIELCh(49, 15.464, 173.814)

Have a look what the booklet for
CIELCh(49, 15.464, 173.814)
contains.

CIELCh(49, 15.686, 173.350)	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, 15.686, 173.350)

Conversions

Conversions Part 1

Format	Color
Hex	577C71
RGB	87, 124, 113
RGB Percent	34%, 49%, 44%
CMY	0.6593, 0.5142, 0.5573
CMYK	0.30, 0.00, 0.09, 0.51
HSL	162°, 18%, 41%
HSV	162°, 30%, 49%
XYZ	14.0850, 17.5941, 18.2404
YIQ	111.6830, -18.5210, -11.2650

Conversions

Conversions Part 2

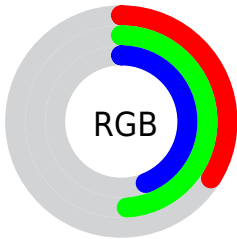
Format	Color
R_{YB}	87, 109, 124
Decimal	5733489
CIE _{Lab}	49.00, -15.58, 1.82
CIE _{LCh}	49, 15.686, 173.350
Y _{xy}	17.5941, 0.2822, 0.3524
Android (android.graphics.Color)	4283923569 (0xFF577C71)
Y _{UV}	111.6830, 0.6493, -21.6470
Hunter-Lab	41.9453, -13.4647, 3.5787

Details

The CIELCh color $49, 15.686, 173.350$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $41, 17.083, 359.274$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 15.762, 173.363$, and $29, 15.905, 173.045$ is the 20% darker color. If you saturate the color by 10%, you get $48, 20.543, 172.245$, and if you desaturate by 10%, it is $50, 10.580, 174.369$.

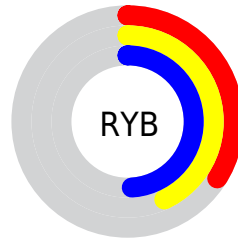
Distribution



Red (34%)

Green (49%)

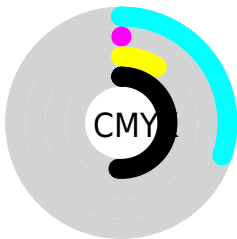
Blue (44%)



Red (34%)

Yellow (43%)

Blue (49%)

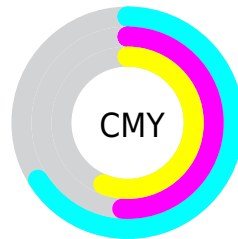


Cyan (30%)

Magenta (0%)

Yellow (9%)

Black (51%)



Cyan (66%)


Magenta (51%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 15.686, 173.350 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, 15.686, 173.350 by changing the saturation by 10% instead.


 49, 15.686,
173.350


 49, 15.686,
173.350


 100, 15.686,
173.350


 39, 15.686,
173.350

 69, 15.686,
173.350


 29, 15.686,
173.350

 79, 15.686,
173.350

 19, 15.686,
173.350

 89, 15.686,
173.350

 9, 15.686, 173.350

 99, 15.686,
173.350

 0, 15.686, 173.350

 49, 15.686,

 49, 15.686,

173.350

173.350

■ 48, 20.543,
172.245

■ 50, 10.580,
174.369

■ 48, 25.067,
171.041

■ 51, 5.302, 175.341

■ 47, 29.176,
169.713

■ 52, 0.076, 351.731

■ 53, 5.495, 356.926

■ 47, 32.803,
168.240

■ 54, 10.908,
357.743

■ 46, 35.904,
166.601

■ 56, 16.277,
358.504

■ 46, 38.470,
164.780

■ 57, 21.574,
359.226

■ 46, 40.699,
162.902

■ 59, 26.780,
359.916

■ 46, 40.730,
162.878

■ 60, 31.882, 0.578

Harmonies

Complementary

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



49, 15.686, 173.350



41, 17.083, 359.274

Rectangle

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



49, 15.686, 173.350



49, 15.686, 223.350



49, 15.686, 353.350



49, 15.686, 43.350

Sweetspot

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



49, 15.687, 173.348



65, 5.986, 175.404



49, 24.106, 134.376



34, 4.188, 175.284



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, 15.687, 173.348



62, 23.093, 172.587



47, 11.547, 220.769



25, 2.999, 175.420



46, 40.996, 162.858



88, 70.369, 161.616

Inverse Universe

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



41, 17.083, 359.274



50, 25.687, 0.248



43, 14.055, 39.204



24, 3.076, 356.902



25, 51.224, 19.260



53, 87.730, 22.565

Previews

White Background



This preview shows how the CIELCh color 49, 15.686, 173.350 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, 15.686, 173.350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

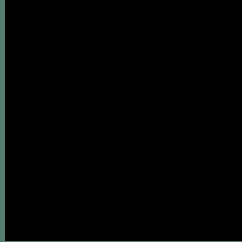
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 15.686, 173.350

Background



This preview shows how black text looks on a background with the CIELCh color 49, 15.686, 173.350.

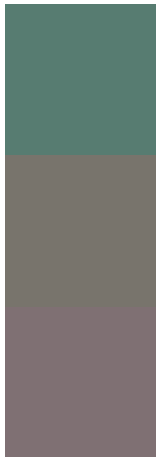


This preview shows how white text looks on a background with the CIELCh color 49, 15.686, 173.350.

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, 15.686, 173.350

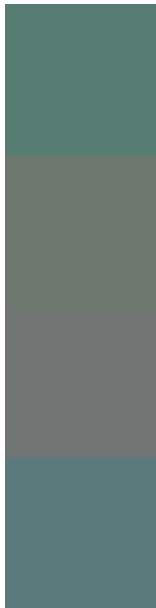
Protanopia
49, 4.958, 89.909

Deuteranopia
49, 6.421, 4.272



Tritanopia
49, 12.133, 227.565

Trichromacy



Original Color
49, 15.686, 173.350

Protanomaly
49, 6.951, 149.368

Deuteranomaly
48, 2.006, 163.520

Tritanomaly
49, 11.865, 203.904

Monochromacy



Original Color
49, 15.686, 173.350

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 5.737, 174.499

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 15.686, 173.350 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(87, 124, 113)` looks like.

```
.text, #text, p{  
    color:rgb(87, 124, 113)  
}
```

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(87, 124, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 124, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 15.686, 173.350 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(87, 124, 113) }
```

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

```
.border{ border-color:rgb(87, 124, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 124, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 124, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 124, 113);  
box-shadow:4px 4px 4px 4px rgb(87, 124,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 15.686, 173.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 124, 113) }
```

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

```
.background{ background-color: rgb(87, 124,  
113) }
```

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