

Converting Colors

CIELCh(49, 16.280, 170.785)

Have a look what the booklet for
CIELCh(49, 16.280, 170.785)
contains.

CIELCh(49, 15.988, 171.492)	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, 15.988, 171.492)

Conversions

Conversions Part 1

Format	Color
Hex	577C70
RGB	87, 124, 112
RGB Percent	34%, 49%, 44%
CMY	0.6590, 0.5139, 0.5610
CMYK	0.30, 0.00, 0.10, 0.51
HSL	161°, 18%, 41%
HSV	161°, 30%, 49%
XYZ	14.0481, 17.5941, 17.9694
YIQ	111.5690, -18.2000, -11.5760

Conversions

Conversions Part 2

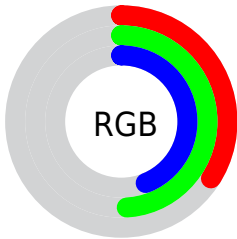
Format	Color
R_{YB}	87, 109, 124
Decimal	5733488
CIE Lab	49.00, -15.81, 2.37
CIE LCh	49, 15.988, 171.492
Yxy	17.5941, 0.2832, 0.3546
Android (android.graphics.Color)	4283923568 (0xFF577C70)
YUV	111.5690, 0.2125, -21.5470
Hunter-Lab	41.9453, -13.6219, 3.9619

Details

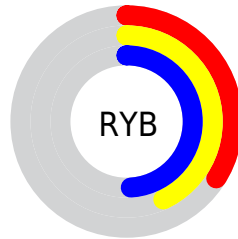
The CIELCh color $49, 15.988, 171.492$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $41, 17.268, 357.381$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 16.038, 171.627$, and $29, 16.256, 171.056$ is the 20% darker color. If you saturate the color by 10%, you get $48, 20.975, 170.375$, and if you desaturate by 10%, it is $50, 10.765, 172.518$.

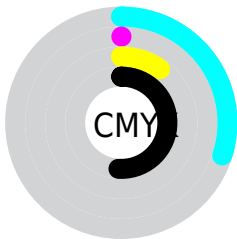
Distribution



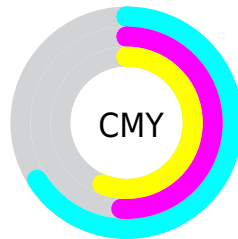
- Red (34%)
- Green (49%)
- Blue (44%)



- Red (34%)
- Yellow (43%)
- Blue (49%)



- Cyan (30%)
- Magenta (0%)
- Yellow (10%)
- Black (51%)



- Cyan (66%)
- Magenta (51%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 15.988, 171.492 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, 15.988, 171.492 by changing the saturation by 10% instead.


 49, 15.988,
171.492


 49, 15.988,
171.492


 100, 15.988,
171.492


 39, 15.988,
171.492

 69, 15.988,
171.492


 29, 15.988,
171.492

 79, 15.988,
171.492

 19, 15.988,
171.492

 89, 15.988,
171.492

 9, 15.988, 171.492

 99, 15.988,
171.492

 0, 15.988, 171.492

 49, 15.988,

 49, 15.988,

171.492

171.492

■ 48, 20.975,
170.375

■ 50, 10.765,
172.518

■ 48, 25.639,
169.152

■ 51, 5.384, 173.490

■ 47, 29.899,
167.799

■ 52, 0.086, 350.456

■ 53, 5.583, 355.072

■ 47, 33.685,
166.293

■ 55, 11.062,
355.879

■ 46, 36.949,
164.614

■ 56, 16.486,
356.628

■ 46, 39.680,
162.749

■ 57, 21.828,
357.337

■ 46, 42.074,
160.829

■ 59, 27.070,
358.013

■ 46, 42.110,
160.802

■ 60, 32.200,

Harmonies

Complementary

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



49, 15.988, 171.492



41, 17.268, 357.381

Rectangle

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



49, 15.988, 171.492



49, 15.988, 221.492



49, 15.988, 351.492



49, 15.988, 41.492

Sweetspot

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



49, 15.989, 171.490



65, 6.083, 173.552



49, 23.868, 133.342



34, 4.257, 173.432



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, 15.989, 171.490



62, 23.564, 170.719



47, 11.750, 216.459



25, 3.048, 173.567



46, 42.368, 160.782



88, 72.831, 159.512

Inverse Universe

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



41, 17.268, 357.381



50, 25.935, 358.337



42, 14.355, 35.900



24, 3.119, 355.047



25, 50.709, 16.814



53, 86.566, 20.083

Previews

White Background



This preview shows how the CIELCh color 49, 15.988, 171.492 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, 15.988, 171.492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

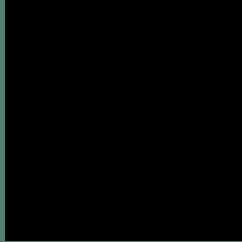
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

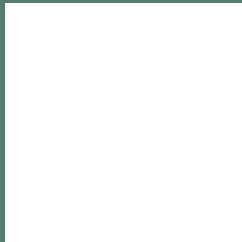
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 15.988, 171.492

Background



This preview shows how black text looks on a background with the CIELCh color 49, 15.988, 171.492.

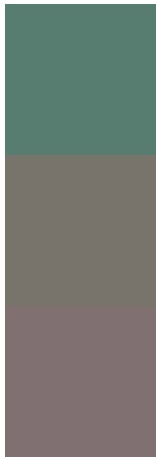


This preview shows how white text looks on a background with the CIELCh color 49, 15.988, 171.492.

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, 15.988, 171.492

Protanopia

49, 5.515, 91.827

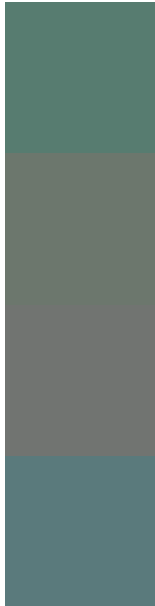
Deuteranopia

49, 6.715, 10.143



Tritanopia
49, 12.133, 227.565

Trichromacy



Original Color
49, 15.988, 171.492

Protanomaly
49, 7.415, 146.490

Deuteranomaly
49, 2.149, 144.386

Tritanomaly
49, 11.865, 203.904

Monochromacy



Original Color
49, 15.988, 171.492

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, 15.988, 171.492 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, 112)` looks like.

```
.text, #text, p{  
    color:rgb(87, 124, 112)  
}
```

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, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 124, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 15.988, 171.492 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, 112) }
```

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

```
.border{ border-color:rgb(87, 124, 112) }
```

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, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 124, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 124, 112);  
box-shadow:4px 4px 4px 4px rgb(87, 124,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 15.988, 171.492 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, 112) }
```

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

```
.background{ background-color: rgb(87, 124,  
112) }
```

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