

Converting Colors

CIELCh(49, 5.622, 175.605)

Have a look what the booklet for
CIELCh(49, 5.622, 175.605) contains.

CIELCh(49, 5.712, 174.523)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 5.712, 174.523)

Conversions

Conversions Part 1

Format	Color
Hex	6A7773
RGB	106, 119, 115
RGB Percent	42%, 47%, 45%
CMY	0.5831, 0.5321, 0.5478
CMYK	0.11, 0.00, 0.03, 0.53
HSL	162°, 6%, 44%
HSV	162°, 11%, 47%
XYZ	15.7250, 17.5941, 18.8787
YIQ	114.6570, -6.4640, -4.0000

Conversions

Conversions Part 2

Format	Color
R_{YB}	106, 114, 119
Decimal	6977395
CIE Lab	49.00, -5.69, 0.55
CIE LCh	49, 5.712, 174.523
Yxy	17.5941, 0.3013, 0.3371
Android (android.graphics.Color)	4285167475 (0xFF6A7773)
YUV	114.6570, 0.1691, -7.5922
Hunter-Lab	41.9453, -6.4857, 2.6765

Details

The CIELCh color $49, 5.712, 174.523$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 5.882, 356.359$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 5.694, 176.293$, and $29, 5.840, 172.322$ is the 20% darker color. If you saturate the color by 10%, you get $48, 10.856, 173.545$, and if you desaturate by 10%, it is $50, 0.472, 176.030$.

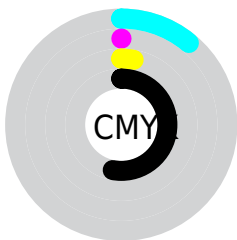
Distribution



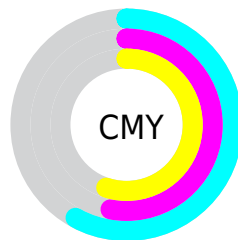
- Red (42%)
- Green (47%)
- Blue (45%)



- Red (42%)
- Yellow (45%)
- Blue (47%)



- Cyan (11%)
- Magenta (0%)
- Yellow (3%)
- Black (53%)



- Cyan (58%)
- Magenta (53%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 5.712, 174.523 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, 5.712, 174.523 by changing the saturation by 10% instead.

■ 49, 5.712, 174.523

■ 49, 5.712, 174.523

■ 100, 5.712,
174.523

■ 39, 5.712, 174.523

■ 69, 5.712, 174.523

■ 29, 5.712, 174.523

■ 79, 5.712, 174.523

■ 19, 5.712, 174.523

■ 89, 5.712, 174.523

■ 9, 5.712, 174.523

■ 99, 5.712, 174.523

■ 0, 5.712, 174.523

■ 49, 5.712, 174.523

■ 49, 5.712, 174.523

■ 48, 10.856,
173.545

■ 50, 0.472, 176.030

■ 47, 15.831,

■ 51, 4.810, 356.103

172.518

52, 10.084,
356.924

46, 20.562,
171.405

54, 15.316,
357.682

46, 24.969,
170.188

55, 20.477,
358.401

45, 28.973,
168.843

57, 25.549,
359.087

45, 32.511,
167.350

58, 30.518,
359.744

44, 35.540,
165.687

60, 35.378, 0.376

44, 38.053,
163.841

61, 40.125, 0.983

44, 40.101,
162.147

Harmonies

Complementary

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



49, 5.712, 174.523



46, 5.882, 356.359

Rectangle

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



49, 5.712, 174.523



49, 5.712, 224.523



49, 5.712, 354.523



49, 5.712, 44.523

Sweetspot

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



49, 5.713, 174.516



64, 1.959, 175.355



49, 8.469, 134.772



33, 1.497, 175.254



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 5.713, 174.516



62, 8.450, 174.283



48, 4.361, 217.867



24, 2.912, 174.698



45, 40.884, 162.083



88, 70.761, 160.793

Inverse Universe

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



46, 5.882, 356.359



58, 8.755, 356.609



47, 4.658, 37.374



23, 2.984, 356.166



25, 50.233, 18.183



53, 86.570, 21.574

Previews

White Background



This preview shows how the CIELCh color 49, 5.712, 174.523 looks on a white background.

Color Contrast Check

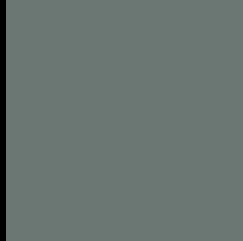
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 5.712, 174.523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

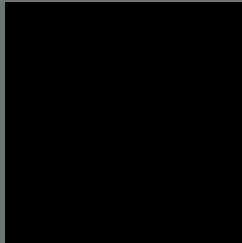
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

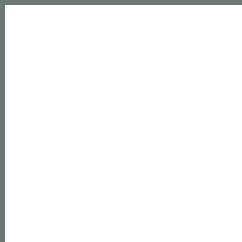
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 5.712, 174.523

Background



This preview shows how black text looks on a background with the CIELCh color 49, 5.712, 174.523.



This preview shows how white text looks on a background with the CIELCh color 49, 5.712, 174.523.

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, 5.712, 174.523

Protanopia

49, 2.131, 74.721

Deuteranopia

49, 6.195, 357.919



Tritanopia
49, 6.444, 254.460

Trichromacy



Original Color
49, 5.712, 174.523

Protanomaly
49, 2.145, 144.387

Deuteranomaly
49, 1.733, 359.617

Tritanomaly
49, 5.116, 234.214

Monochromacy



Original Color
49, 5.712, 174.523

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 2.339, 169.186

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 5.712, 174.523 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(106, 119, 115)` looks like.

```
.text, #text, p{  
    color:rgb(106, 119, 115)  
}
```

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(106, 119, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 119, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 5.712, 174.523 is called "border". The border property can be set on classes, ids or directly on the HTML element.

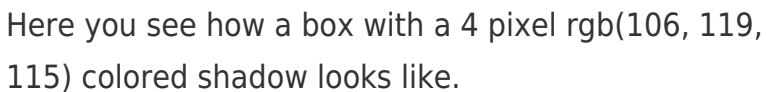
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 119, 115) }
```

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

```
.border{ border-color:rgb(106, 119, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 119, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 119, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 119, 115);  
box-shadow:4px 4px 4px 4px rgb(106, 119,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 5.712, 174.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 119, 115) }
```

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

```
.background{ background-color: rgb(106,  
119, 115) }
```

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