

Converting Colors

CIELCh(49, 28.245, 157.377)

Have a look what the booklet for
CIELCh(49, 28.245, 157.377)
contains.

CIELCh(49, 28.559, 157.157)	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, 28.559, 157.157)

Conversions

Conversions Part 1

Format	Color
Hex	478061
RGB	71, 128, 97
RGB Percent	28%, 50%, 38%
CMY	0.7221, 0.4986, 0.6202
CMYK	0.45, 0.00, 0.24, 0.50
HSL	147°, 29%, 39%
HSV	147°, 45%, 50%
XYZ	12.4387, 17.5941, 14.0154
YIQ	107.4230, -24.0210, -21.7250

Conversions

Conversions Part 2

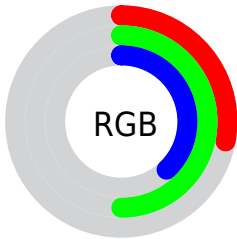
Format	Color
R_{YB}	71, 110, 128
Decimal	4685921
CIE _{Lab}	49.00, -26.32, 11.09
CIE _{LCh}	49, 28.559, 157.157
Yxy	17.5941, 0.2824, 0.3994
Android (android.graphics.Color)	4282876001 (0xFF478061)
YUV	107.4230, -5.1385, -31.9430
Hunter-Lab	41.9453, -20.4706, 9.5509

Details

The CIELCh color $49, 28.559, 157.157$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $38, 29.671, 345.462$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 28.410, 157.663$, and $29, 28.170, 157.726$ is the 20% darker color. If you saturate the color by 10%, you get $48, 34.412, 155.859$, and if you desaturate by 10%, it is $50, 22.392, 158.304$.

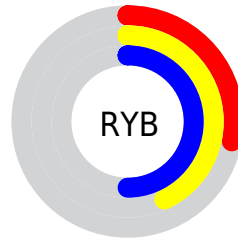
Distribution



Red (28%)

Green (50%)

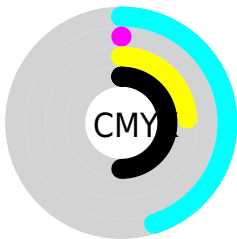
Blue (38%)



Red (28%)

Yellow (43%)

Blue (50%)

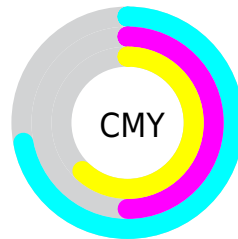


Cyan (45%)

Magenta (0%)

Yellow (24%)

Black (50%)



Cyan (72%)

Magenta (50%)

Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 28.559, 157.157 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, 28.559, 157.157 by changing the saturation by 10% instead.

 49, 28.559,
157.157


 49, 28.559,
157.157


 100, 28.559,
157.157


 39, 28.559,
157.157

 69, 28.559,
157.157


 29, 28.559,
157.157

 79, 28.559,
157.157

 19, 28.559,
157.157

 89, 28.559,
157.157

 9, 28.559, 157.157

 99, 28.559,
157.157

 0, 28.559, 157.157

 49, 28.559,

 49, 28.559,

157.157

157.157

■ 48, 34.412,
155.859

■ 50, 22.392,
158.304

■ 48, 39.844,
154.389

■ 51, 16.011,
159.323

■ 47, 44.770,
152.731

■ 52, 9.512, 160.239

■ 47, 49.128,
150.878

■ 53, 2.980, 161.115

■ 54, 3.520, 341.674

■ 47, 52.915,
148.856

■ 56, 9.935, 342.394

■ 47, 54.862,
147.819

■ 57, 16.227,
343.017

■ 59, 22.371,
343.587

■ 60, 28.350,
344.115

Harmonies

Complementary

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



49, 28.559, 157.157



38, 29.671, 345.462

Rectangle

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



49, 28.559, 157.157



49, 28.559, 207.157



49, 28.559, 337.157



49, 28.559, 27.157

Sweetspot

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



49, 28.560, 157.156



66, 10.486, 160.351



50, 34.179, 125.242



34, 7.395, 160.183



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 28.560, 157.156



62, 41.343, 155.907



50, 19.908, 192.502



26, 3.665, 160.713



46, 54.745, 147.826



0, 0.000, 0.000

Inverse Universe

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



38, 29.671, 345.462



46, 43.041, 346.687



37, 26.252, 20.092



25, 3.702, 342.018



27, 51.425, 356.630



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 28.559, 157.157 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, 28.559, 157.157 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, 28.559, 157.157

Background



This preview shows how black text looks on a background with the CIELCh color 49, 28.559, 157.157.



This preview shows how white text looks on a background with the CIELCh color 49, 28.559, 157.157.

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, 28.559, 157.157

Protanopia
49, 14.904, 96.315

Deuteranopia
49, 11.563, 57.318



Tritanopia
49, 15.784, 220.021

Trichromacy



Original Color
49, 28.559, 157.157

Protanomaly
48, 17.165, 131.288

Deuteranomaly
48, 11.622, 125.526

Tritanomaly
49, 17.682, 187.910

Monochromacy



Original Color
49, 28.559, 157.157

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 11.151, 158.588

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 28.559, 157.157 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(71, 128, 97)` looks like.

```
.text, #text, p{  
    color:rgb(71, 128, 97)  
}
```

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(71, 128, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 128, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 28.559, 157.157 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(71, 128, 97) }
```

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

```
.border{ border-color:rgb(71, 128, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 128, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 128, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 128, 97);  
box-shadow:4px 4px 4px 4px rgb(71, 128,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 28.559, 157.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 128, 97) }
```

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

```
.background{ background-color: rgb(71, 128,  
97) }
```

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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