

Converting Colors

CIELCh(49, 8.623, 128.808)

Have a look what the booklet for
CIELCh(49, 8.623, 128.808) contains.

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Color

CIELCh(49, 8.699, 128.579)

Conversions

Conversions Part 1

Format	Color
Hex	707769
RGB	112, 119, 105
RGB Percent	44%, 47%, 41%
CMY	0.5616, 0.5341, 0.5890
CMYK	0.06, 0.00, 0.12, 0.53
HSL	90°, 6%, 44%
HSV	90°, 12%, 47%
XYZ	15.7700, 17.5941, 15.8769
YIQ	115.3110, 0.3220, -5.8380

Conversions

Conversions Part 2

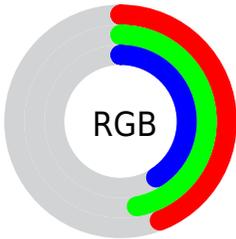
Format	Color
R_{YB}	105, 119, 112
Decimal	7370601
CIE Lab	49.00, -5.42, 6.80
CIE LCh	49, 8.699, 128.579
Yxy	17.5941, 0.3203, 0.3573
Android (android.graphics.Color)	4285560681 (0xFF707769)
YUV	115.3110, -5.0833, -2.9037
Hunter-Lab	41.9453, -6.2944, 6.9196

Details

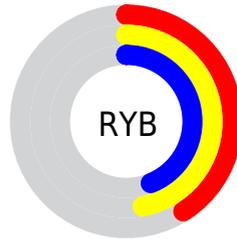
The CIELCh color $49, 8.699, 128.579$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 8.839, 309.569$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 8.655, 127.515$, and $29, 8.923, 129.688$ is the 20% darker color. If you saturate the color by 10%, you get $48, 16.093, 128.127$, and if you desaturate by 10%, it is $50, 1.308, 129.061$.

Distribution



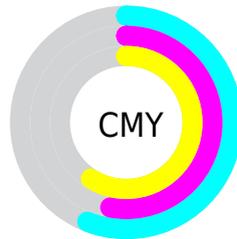
- Red (44%)
- Green (47%)
- Blue (41%)



- Red (41%)
- Yellow (47%)
- Blue (44%)



- Cyan (6%)
- Magenta (0%)
- Yellow (12%)
- Black (53%)



- Cyan (56%)
- Magenta (53%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 8.699, 128.579 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, 8.699, 128.579 by changing the saturation by 10% instead.

■ 49, 8.699, 128.579

■ 49, 8.699, 128.579

■ 100, 8.699,
128.579

■ 39, 8.699, 128.579

■ 69, 8.699, 128.579

■ 29, 8.699, 128.579

■ 79, 8.699, 128.579

■ 19, 8.699, 128.579

■ 89, 8.699, 128.579

■ 9, 8.699, 128.579

■ 99, 8.699, 128.579

■ 0, 8.699, 128.579

■ 49, 8.699, 128.579

■ 49, 8.699, 128.579

■ 48, 16.093,
128.127

■ 50, 1.308, 129.061

■ 48, 23.430,

■ 51, 6.044, 309.381

127.662

52, 13.328,
309.750

47, 30.632,
127.205

53, 20.522,
310.081

46, 37.589,
126.788

54, 27.613,
310.379

46, 44.143,
126.465

55, 34.589,
310.646

45, 50.073,
126.312

56, 41.445,
310.885

45, 55.102,
126.432

57, 48.177,
311.097

45, 58.948,
126.936

58, 54.783,
311.287

44, 61.651,
127.410

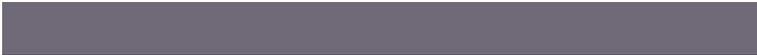
Harmonies

Complementary

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



49, 8.699, 128.579



45, 8.839, 309.569

Rectangle

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



49, 8.699, 128.579



49, 8.699, 178.579



49, 8.699, 308.579



49, 8.699, 358.579

Sweetspot

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



49, 8.700, 128.582



64, 3.672, 128.929



48, 5.051, 74.002



33, 2.631, 128.899



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



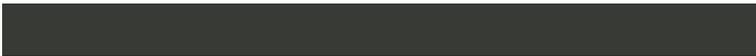
49, 8.700, 128.582



63, 12.895, 128.467



48, 10.066, 143.788



24, 4.110, 128.705



46, 63.014, 127.462



88, 107.760, 128.354

Inverse Universe

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



45, 8.839, 309.569



57, 13.140, 309.689



46, 10.079, 325.039



23, 4.163, 309.443



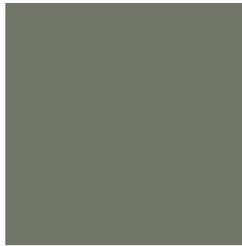
18, 72.212, 312.302



40, 123.133, 311.689

Previews

White Background



This preview shows how the CIELCh color 49, 8.699, 128.579 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, 8.699, 128.579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

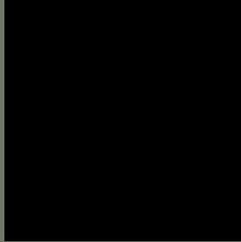
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 8.699, 128.579

Background



This preview shows how black text looks on a background with the CIELCh color 49, 8.699, 128.579.



This preview shows how white text looks on a background with the CIELCh color 49, 8.699, 128.579.

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, 8.699, 128.579

Protanopia

49, 7.884, 93.578

Deuteranopia

49, 8.827, 43.537



Tritanopia
49, 5.297, 286.655

Trichromacy



Original Color
49, 8.699, 128.579

Protanomaly
49, 7.604, 105.990

Deuteranomaly
49, 6.301, 67.560

Tritanomaly
49, 1.327, 225.838

Monochromacy



Original Color
49, 8.699, 128.579

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 3.049, 125.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 8.699, 128.579 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(112, 119, 105)` looks like.

```
.text, #text, p{  
    color:rgb(112, 119, 105)  
}
```

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(112, 119, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 119, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 8.699, 128.579 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(112, 119, 105) }
```

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

```
.border{ border-color:rgb(112, 119, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 119, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 119, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 119, 105);  
box-shadow:4px 4px 4px 4px rgb(112, 119,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 8.699, 128.579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 119, 105) }
```

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

```
.background{ background-color: rgb(112,  
119, 105) }
```

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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