

Converting Colors

CIELCh(49, 10.436, 120.257)

Have a look what the booklet for
CIELCh(49, 10.436, 120.257)
contains.

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Color

CIELCh(49, 10.714, 120.109)

Conversions

Conversions Part 1

Format	Color
Hex	727765
RGB	114, 119, 101
RGB Percent	45%, 47%, 40%
CMY	0.5543, 0.5347, 0.6053
CMYK	0.04, 0.00, 0.15, 0.53
HSL	77°, 8%, 43%
HSV	77°, 15%, 47%
XYZ	15.7786, 17.5941, 14.7862
YIQ	115.4530, 2.7980, -6.6580

Conversions

Conversions Part 2

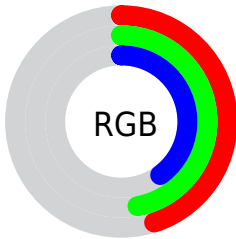
Format	Color
RYB	101, 119, 106
Decimal	7501669
CIELab	49.00, -5.37, 9.27
CIElCh	49, 10.714, 120.109
Yxy	17.5941, 0.3276, 0.3653
Android (android.graphics.Color)	4285691749 (0xFF727765)
YUV	115.4530, -7.1253, -1.2743
Hunter-Lab	41.9453, -6.2578, 8.4613

Details

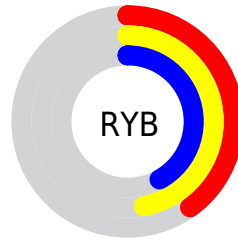
The CIELCh color **49, 10.714, 120.109** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 11.025, 301.892**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 10.568, 119.749**, and **29, 11.076, 120.338** is the 20% darker color. If you saturate the color by 10%, you get **48, 17.733, 119.531**, and if you desaturate by 10%, it is **50, 3.649, 120.689**.

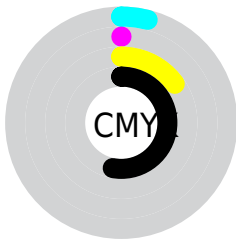
Distribution



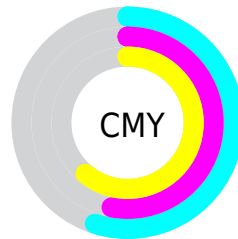
- Red (45%)
- Green (47%)
- Blue (40%)



- Red (40%)
- Yellow (47%)
- Blue (42%)



- Cyan (4%)
- Magenta (0%)
- Yellow (15%)
- Black (53%)





- Cyan (55%)
- Magenta (53%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 10.714, 120.109 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, 10.714, 120.109 by changing the saturation by 10% instead.


 49, 10.714,
120.109


 49, 10.714,
120.109


 100, 10.714,
120.109


 39, 10.714,
120.109

 69, 10.714,
120.109


 29, 10.714,
120.109

 79, 10.714,
120.109

 19, 10.714,
120.109

 89, 10.714,
120.109

 9, 10.714, 120.109

 99, 10.714,
120.109

 0, 10.714, 120.109

 49, 10.714,

 49, 10.714,

120.109

■ 48, 17.733,
119.531

■ 48, 24.646,
118.956

■ 48, 31.371,
118.413

■ 47, 37.786,
117.939

■ 47, 43.716,
117.588

■ 46, 48.919,
117.434

■ 46, 53.104,
117.569

■ 46, 56.120,
118.043

120.109

■ 50, 3.649, 120.689

■ 50, 3.426, 301.225

■ 51, 10.482,
301.755

■ 52, 17.498,
302.250

■ 52, 24.458,
302.713

■ 53, 31.351,
303.144

■ 54, 38.169,
303.544

■ 55, 44.905,
303.913

■ 46, 57.504,
118.265

■ 56, 51.555,
304.253

Harmonies

Complementary

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



49, 10.714, 120.109



44, 11.025, 301.892

Rectangle

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



49, 10.714, 120.109



49, 10.714, 170.109



49, 10.714, 300.109



49, 10.714, 350.109

Sweetspot

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



49, 10.715, 120.113



63, 4.350, 120.692



46, 6.301, 46.691



32, 2.950, 120.660



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



49, 10.715, 120.113



62, 15.653, 119.923



48, 12.037, 137.146



24, 3.941, 120.468



47, 58.818, 118.310



91, 100.152, 119.053

Inverse Universe

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



44, 11.025, 301.892



54, 16.206, 302.117



44, 12.140, 318.420



22, 4.012, 301.494



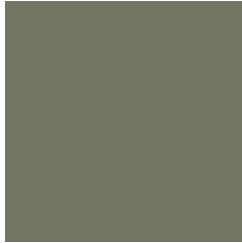
14, 75.392, 308.365



34, 128.630, 307.894

Previews

White Background



This preview shows how the CIELCh color 49, 10.714, 120.109 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, 10.714, 120.109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

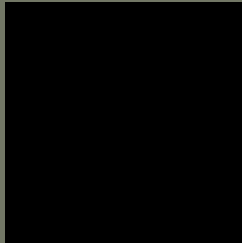
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 10.714, 120.109

Background



This preview shows how black text looks on a background with the CIELCh color 49, 10.714, 120.109.

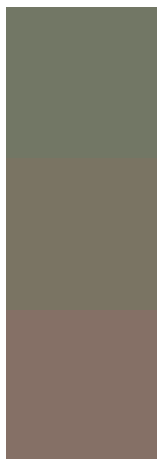


This preview shows how white text looks on a background with the CIELCh color 49, 10.714, 120.109.

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, 10.714, 120.109

Protanopia

49, 10.259, 94.313

Deuteranopia

49, 10.830, 52.723



Tritanopia
49, 5.365, 299.312

Trichromacy



Original Color
49, 10.714, 120.109

Protanomaly
49, 9.957, 103.939

Deuteranomaly
49, 8.713, 73.149

Tritanomaly
49, 0.007, 296.813

Monochromacy



Original Color
49, 10.714, 120.109

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 3.541, 116.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 10.714, 120.109 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(114, 119, 101)` looks like.

```
.text, #text, p{  
    color:rgb(114, 119, 101)  
}
```

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(114, 119, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 119, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 10.714, 120.109 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(114, 119, 101) }
```

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

```
.border{ border-color:rgb(114, 119, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 119, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 119, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 119, 101);  
box-shadow:4px 4px 4px 4px rgb(114, 119,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 10.714, 120.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 119, 101) }
```

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

```
.background{ background-color: rgb(114,  
119, 101) }
```

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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