

Converting Colors

CIELCh(49, 7.331, 257.640)

Have a look what the booklet for
CIELCh(49, 7.331, 257.640) contains.

CIELCh(49, 7.119, 254.955)	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, 7.119, 254.955)

Conversions

Conversions Part 1

Format	Color
Hex	6B7680
RGB	107, 118, 128
RGB Percent	42%, 46%, 50%
CMY	0.5810, 0.5378, 0.4986
CMYK	0.16, 0.08, 0.00, 0.50
HSL	209°, 9%, 46%
HSV	209°, 16%, 50%
XYZ	16.3939, 17.5941, 22.9032
YIQ	115.8510, -9.7660, 0.7780

Conversions

Conversions Part 2

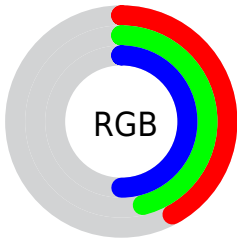
Format	Color
RYB	107, 114, 128
Decimal	7042688
CIELab	49.00, -1.85, -6.87
CIELCh	49, 7.119, 254.955
Yxy	17.5941, 0.2882, 0.3093
Android (android.graphics.Color)	4285232768 (0xFF6B7680)
YUV	115.8510, 5.9895, -7.7623
Hunter-Lab	41.9453, -3.6392, -3.0122

Details

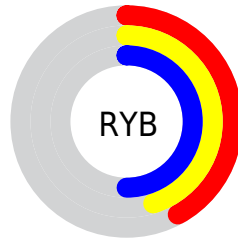
The CIELCh color $49, 7.119, 254.955$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 7.457, 70.873$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 7.152, 257.064$, and $29, 7.182, 253.041$ is the 20% darker color. If you saturate the color by 10%, you get $46, 11.362, 256.543$, and if you desaturate by 10%, it is $52, 2.804, 253.645$.

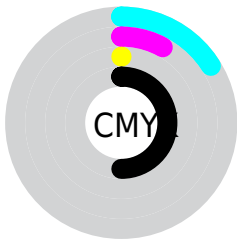
Distribution



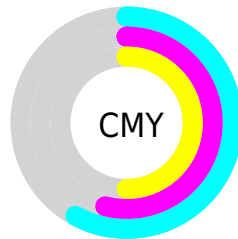
- Red (42%)
- Green (46%)
- Blue (50%)



- Red (42%)
- Yellow (45%)
- Blue (50%)



- Cyan (16%)
- Magenta (8%)
- Yellow (0%)
- Black (50%)



- Cyan (58%)
- Magenta (54%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 7.119, 254.955 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, 7.119, 254.955 by changing the saturation by 10% instead.

■ 49, 7.119, 254.955	■ 49, 7.119, 254.955
■ 100, 7.119, 254.955	■ 39, 7.119, 254.955
■ 69, 7.119, 254.955	■ 29, 7.119, 254.955
■ 79, 7.119, 254.955	■ 19, 7.119, 254.955
■ 89, 7.119, 254.955	■ 9, 7.119, 254.955
■ 99, 7.119, 254.955	■ 0, 7.119, 254.955

■ 49, 7.119, 254.955	■ 49, 7.119, 254.955
■ 46, 11.362, 256.543	■ 52, 2.804, 253.645
■ 44, 15.515,	■ 55, 1.562, 72.213

258.451

57, 5.961, 71.358

41, 19.564,
260.721

60, 10.378, 70.530

38, 23.501,
263.409

63, 14.800, 69.804

36, 27.335,
266.560

66, 19.215, 69.168

33, 31.095,
270.192

71, 27.989, 68.112

31, 34.834,
274.271

74, 32.336, 67.670

29, 38.637,
278.599

28, 40.048,
280.034

Harmonies

Complementary

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



49, 7.119, 254.955



50, 7.457, 70.873

Rectangle

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



49, 7.119, 254.955



49, 7.119, 304.955



49, 7.119, 74.955



49, 7.119, 124.955

Sweetspot

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



49, 7.118, 254.946



66, 2.702, 253.509



52, 10.631, 160.598



35, 1.857, 253.568



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, 7.118, 254.946



61, 10.686, 255.557



46, 12.072, 290.576



25, 2.450, 253.958



28, 39.958, 280.019



0, 0.000, 0.000

Inverse Universe

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



47, 10.746, 343.687



59, 16.237, 344.052



53, 11.673, 107.253



25, 3.652, 343.049



27, 51.124, 358.389



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 7.119, 254.955 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, 7.119, 254.955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

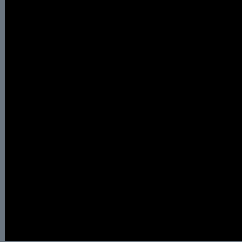
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

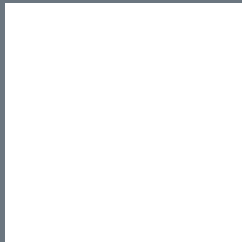
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 7.119, 254.955

Background



This preview shows how black text looks on a background with the CIELCh color 49, 7.119, 254.955.



This preview shows how white text looks on a background with the CIELCh color 49, 7.119, 254.955.

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

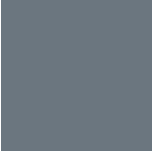
49, 7.119, 254.955

Protanopia

49, 6.472, 291.039

Deuteranopia

49, 10.094, 311.725



Tritanopia
49, 6.664, 251.816

Trichromacy



Original Color

49, 7.119, 254.955

Protanomaly

49, 6.616, 277.560

Deuteranomaly

49, 8.250, 293.943

Tritanomaly

49, 6.664, 251.816

Monochromacy



Original Color

49, 7.119, 254.955

Achromatopsia

49, 0.007, 296.813

Achromatomaly

49, 2.350, 248.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 7.119, 254.955 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(107, 118, 128)` looks like.

```
.text, #text, p{  
    color:rgb(107, 118, 128)  
}
```

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(107, 118, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 118, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 7.119, 254.955 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(107, 118, 128) }
```

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

```
.border{ border-color:rgb(107, 118, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 118, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 118, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 118, 128);  
box-shadow:4px 4px 4px 4px rgb(107, 118,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 7.119, 254.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 118, 128) }
```

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

```
.background{ background-color: rgb(107,  
118, 128) }
```

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