

Converting Colors

CIELCh(49, 7.315, 307.666)

Have a look what the booklet for
CIELCh(49, 7.315, 307.666) contains.

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Color

CIELCh(49, 7.475, 309.465)

Conversions

Conversions Part 1

Format	Color
Hex	78727E
RGB	120, 114, 126
RGB Percent	47%, 45%, 49%
CMY	0.5287, 0.5522, 0.5051
CMYK	0.05, 0.10, 0.00, 0.51
HSL	270°, 5%, 47%
HSV	270°, 10%, 49%
XYZ	17.5879, 17.5941, 22.2713
YIQ	117.1620, -0.2760, 5.0040

Conversions

Conversions Part 2

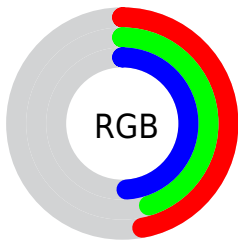
Format	Color
RYB	120, 114, 126
Decimal	7893630
CIELab	49.00, 4.75, -5.77
CIELCh	49, 7.475, 309.465
Yxy	17.5941, 0.3061, 0.3062
Android (android.graphics.Color)	4286083710 (0xFF78727E)
YUV	117.1620, 4.3571, 2.4889
Hunter-Lab	41.9453, 1.4418, -2.1190

Details

The CIELCh color $49, 7.475, 309.465$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 7.375, 128.675$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 7.516, 308.031$, and $29, 7.578, 311.194$ is the 20% darker color. If you saturate the color by 10%, you get $45, 15.538, 309.934$, and if you desaturate by 10%, it is $53, 0.372, 129.273$.

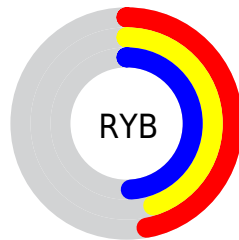
Distribution



Red (47%)

Green (45%)

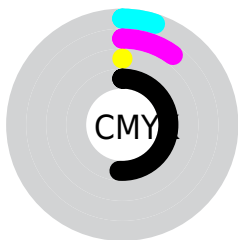
Blue (49%)



Red (47%)

Yellow (45%)

Blue (49%)

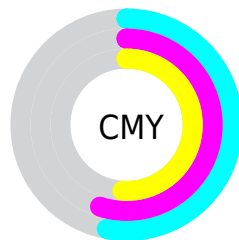


Cyan (5%)

Magenta (10%)

Yellow (0%)

Black (51%)



Cyan (53%)

Magenta (55%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 7.475, 309.465 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, 7.475, 309.465 by changing the saturation by 10% instead.

■ 49, 7.475, 309.465

■ 49, 7.475, 309.465

■ 100, 7.475,
309.465

■ 39, 7.475, 309.465

■ 69, 7.475, 309.465

■ 29, 7.475, 309.465

■ 79, 7.475, 309.465

■ 19, 7.475, 309.465

■ 89, 7.475, 309.465

■ 9, 7.475, 309.465

■ 99, 7.475, 309.465

■ 0, 7.475, 309.465

■ 49, 7.475, 309.465

■ 49, 7.475, 309.465

■ 45, 15.538,
309.934

■ 53, 0.372, 129.273

■ 41, 23.792,

■ 57, 7.989, 128.672

310.435

61, 15.377,
128.323

37, 32.180,
310.956

65, 22.542,
128.016

33, 40.593,
311.475

69, 29.491,
127.746

29, 48.851,
311.955

73, 36.236,
127.510

26, 56.664,
312.341

77, 42.786,
127.305

23, 63.611,
312.553

81, 49.154,
127.128

20, 69.168,
312.492

85, 55.350,
126.975

18, 73.607,
312.266

Harmonies

Complementary

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



49, 7.475, 309.465



52, 7.375, 128.675

Rectangle

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



49, 7.475, 309.465



49, 7.475, 359.465



49, 7.475, 129.465



49, 7.475, 179.465

Sweetspot

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



49, 7.474, 309.462



66, 2.888, 309.159



50, 4.120, 254.822



34, 2.179, 309.196



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 7.474, 309.462



62, 10.693, 309.543



50, 8.494, 324.467



25, 4.464, 309.444



18, 74.398, 312.251



0, 0.000, 0.000

Inverse Universe

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



49, 6.016, 344.361



62, 8.604, 344.515



52, 8.478, 143.497



25, 3.594, 344.325



26, 50.838, 0.542



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 7.475, 309.465 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, 7.475, 309.465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

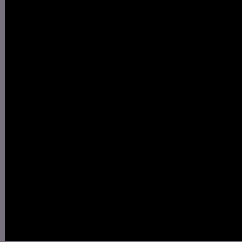
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 7.475, 309.465

Background



This preview shows how black text looks on a background with the CIELCh color 49, 7.475, 309.465.



This preview shows how white text looks on a background with the CIELCh color 49, 7.475, 309.465.

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, 7.475, 309.465

Protanopia

49, 6.468, 287.597

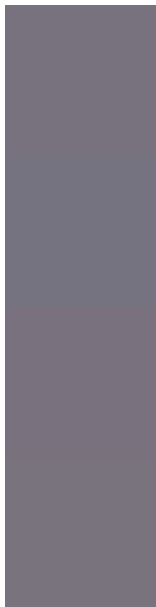
Deuteranopia

49, 8.648, 318.294



Tritanopia
49, 5.674, 311.263

Trichromacy



Original Color
49, 7.475, 309.465

Protanomaly
49, 7.113, 297.391

Deuteranomaly
49, 8.474, 315.887

Tritanomaly
49, 6.226, 309.395

Monochromacy



Original Color
49, 7.475, 309.465

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 2.495, 309.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 7.475, 309.465 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(120, 114, 126)` looks like.

```
.text, #text, p{  
    color:rgb(120, 114, 126)  
}
```

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(120, 114, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 114, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 7.475, 309.465 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(120, 114, 126) }
```

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

```
.border{ border-color:rgb(120, 114, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 114, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 114, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 114, 126);  
box-shadow:4px 4px 4px 4px rgb(120, 114,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 7.475, 309.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 114, 126) }
```

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

```
.background{ background-color: rgb(120,  
114, 126) }
```

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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