

Converting Colors

CIELCh(49, 6.768, 312.117)

Have a look what the booklet for
CIELCh(49, 6.768, 312.117) contains.

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Color

CIELCh(49, 6.922, 310.989)

Conversions

Conversions Part 1

Format	Color
Hex	78727D
RGB	120, 114, 125
RGB Percent	47%, 45%, 49%
CMY	0.5284, 0.5519, 0.5087
CMYK	0.04, 0.09, 0.00, 0.51
HSL	273°, 5%, 47%
HSV	273°, 9%, 49%
XYZ	17.5489, 17.5941, 21.9633
YIQ	117.0480, 0.0450, 4.6930

Conversions

Conversions Part 2

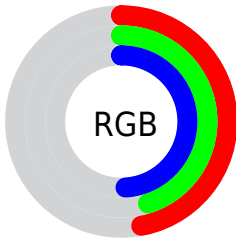
Format	Color
RYB	120, 114, 125
Decimal	7893629
CIELab	49.00, 4.54, -5.22
CIELCh	49, 6.922, 310.989
Yxy	17.5941, 0.3073, 0.3081
Android (android.graphics.Color)	4286083709 (0xFF78727D)
YUV	117.0480, 3.9203, 2.5889
Hunter-Lab	41.9453, 1.2757, -1.6836

Details

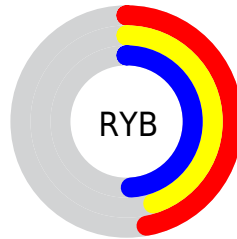
The CIELCh color $49, 6.922, 310.989$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 6.842, 130.293$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 6.994, 309.347$, and $29, 6.978, 312.972$ is the 20% darker color. If you saturate the color by 10%, you get $45, 14.986, 311.435$, and if you desaturate by 10%, it is $53, 0.938, 130.693$.

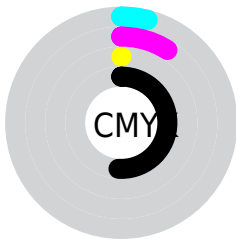
Distribution



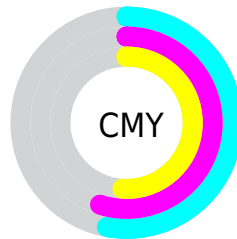
- Red (47%)
- Green (45%)
- Blue (49%)



- Red (47%)
- Yellow (45%)
- Blue (49%)



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)
- Black (51%)



- Cyan (53%)
- Magenta (55%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 6.922, 310.989 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, 6.922, 310.989 by changing the saturation by 10% instead.

■ 49, 6.922, 310.989

■ 49, 6.922, 310.989

■ 100, 6.922,
310.989

■ 39, 6.922, 310.989

■ 69, 6.922, 310.989

■ 29, 6.922, 310.989

■ 79, 6.922, 310.989

■ 19, 6.922, 310.989

■ 89, 6.922, 310.989

■ 9, 6.922, 310.989

■ 99, 6.922, 310.989

■ 0, 6.922, 310.989

■ 49, 6.922, 310.989

■ 49, 6.922, 310.989

■ 45, 14.986,
311.435

■ 53, 0.938, 130.693

■ 41, 23.225,

■ 57, 8.576, 130.231

311.905

61, 15.989,
129.892

37, 31.574,
312.386

65, 23.183,
129.591

33, 39.920,
312.857

69, 30.164,
129.325

30, 48.078,
313.282

73, 36.942,
129.092

27, 55.760,
313.610

77, 43.527,
128.887

24, 62.562,
313.768

81, 49.929,
128.709

21, 67.994,
313.666

85, 56.159,
128.555

19, 72.213,
313.372

Harmonies

Complementary

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



49, 6.922, 310.989



52, 6.842, 130.293

Rectangle

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



49, 6.922, 310.989



49, 6.922, 0.989



49, 6.922, 130.989



49, 6.922, 180.989

Sweetspot

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



49, 6.921, 310.986



66, 2.917, 310.723



50, 3.942, 260.108



34, 2.201, 310.760



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, 6.921, 310.986



62, 10.794, 311.096



49, 7.660, 325.785



25, 4.507, 311.001



19, 73.697, 313.332



0, 0.000, 0.000

Inverse Universe

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



49, 5.355, 346.846



62, 8.353, 347.076



51, 7.646, 144.871



25, 3.488, 346.877



26, 50.532, 4.744



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 6.922, 310.989 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, 6.922, 310.989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

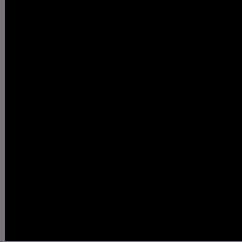
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 6.922, 310.989

Background



This preview shows how black text looks on a background with the CIELCh color 49, 6.922, 310.989.



This preview shows how white text looks on a background with the CIELCh color 49, 6.922, 310.989.

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, 6.922, 310.989

Protanopia

49, 5.876, 290.957

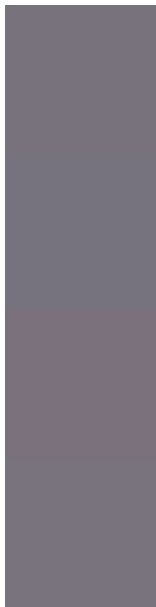
Deuteranopia

49, 8.336, 322.615



Tritanopia
49, 5.674, 311.263

Trichromacy



Original Color

49, 6.922, 310.989

Protanomaly

49, 6.593, 301.287

Deuteranomaly

49, 8.134, 320.196

Tritanomaly

49, 5.674, 311.263

Monochromacy



Original Color

49, 6.922, 310.989

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, 6.922, 310.989 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(120, 114, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 114, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 6.922, 310.989 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, 125) }
```

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

```
.border{ border-color:rgb(120, 114, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 114, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 114, 125);  
box-shadow:4px 4px 4px 4px rgb(120, 114,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 6.922, 310.989 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, 125) }
```

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

```
.background{ background-color: rgb(120,  
114, 125) }
```

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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