

Converting Colors

CIELCh(49, 21.768, 310.753)

Have a look what the booklet for
CIELCh(49, 21.768, 310.753)
contains.

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Color

CIELCh(49, 21.761, 310.668)

Conversions

Conversions Part 1

Format	Color
Hex	7F6D90
RGB	127, 109, 144
RGB Percent	50%, 43%, 56%
CMY	0.5003, 0.5710, 0.4336
CMYK	0.12, 0.24, 0.00, 0.43
HSL	271°, 14%, 50%
HSV	271°, 24%, 57%
XYZ	19.3926, 17.5941, 28.9292
YIQ	118.3720, -0.5070, 14.7010

Conversions

Conversions Part 2

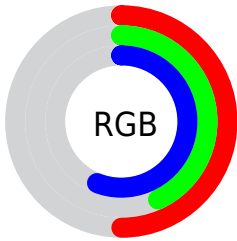
Format	Color
R_{YB}	127, 109, 144
Decimal	8351120
CIE _{Lab}	49.00, 14.18, -16.51
CIE _{LCh}	49, 21.761, 310.668
Yxy	17.5941, 0.2942, 0.2669
Android (android.graphics.Color)	4286541200 (0xFF7F6D90)
YUV	118.3720, 12.6346, 7.5668
Hunter-Lab	41.9453, 9.1219, -11.5299

Details

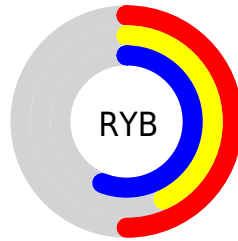
The CIELCh color $49, 21.761, 310.668$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 21.089, 128.497$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 21.549, 310.389$, and $29, 22.272, 310.169$ is the 20% darker color. If you saturate the color by 10%, you get $45, 31.076, 311.175$, and if you desaturate by 10%, it is $54, 12.622, 310.183$.

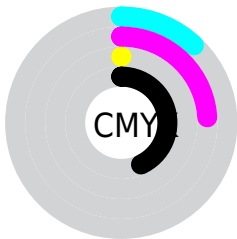
Distribution



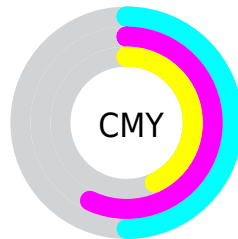
- Red (50%)
- Green (43%)
- Blue (56%)



- Red (50%)
- Yellow (43%)
- Blue (56%)



- Cyan (12%)
- Magenta (24%)
- Yellow (0%)
- Black (43%)



- Cyan (50%)
- Magenta (57%)
- Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 21.761, 310.668 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, 21.761, 310.668 by changing the saturation by 10% instead.

 49, 21.761,
310.668

 49, 21.761,
310.668

 100, 21.761,
310.668

 39, 21.761,
310.668

 69, 21.761,
310.668

 29, 21.761,
310.668

 79, 21.761,
310.668

 19, 21.761,
310.668

 89, 21.761,
310.668

 9, 21.761, 310.668

 99, 21.761,
310.668

 0, 21.761, 310.668

 49, 21.761,

 49, 21.761,

310.668

45, 31.076,
311.175

40, 40.476,
311.690

36, 49.794,
312.181

32, 58.754,
312.601

29, 66.942,
312.880

25, 73.806,
312.924

23, 78.778,
312.636

22, 81.286,
312.451

310.668

54, 12.622,
310.183

58, 3.715, 309.720

63, 4.942, 129.360

67, 13.339,
128.983

72, 21.482,
128.656

76, 29.377,
128.368

81, 37.035,
128.116

85, 44.469,
127.896

■ 89, 51.690,
127.705

Harmonies

Complementary

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



49, 21.761, 310.668



58, 21.089, 128.497

Rectangle

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



49, 21.761, 310.668



49, 21.761, 0.668



49, 21.761, 130.668



49, 21.761, 180.668

Sweetspot

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



49, 21.760, 310.667



73, 7.642, 309.856



52, 11.788, 258.915



37, 4.952, 309.878



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



49, 21.760, 310.667



60, 32.571, 310.938



51, 24.415, 325.720



28, 4.923, 309.948



20, 77.409, 312.520



0, 3.286, 309.566

Inverse Universe

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



50, 17.222, 346.566



62, 25.700, 347.131



57, 24.404, 142.886



28, 3.913, 345.133



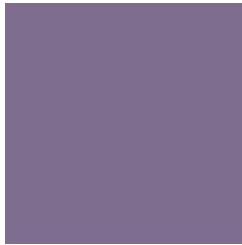
28, 52.864, 2.129



1, 2.613, 344.427

Previews

White Background



This preview shows how the CIELCh color 49, 21.761, 310.668 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, 21.761, 310.668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

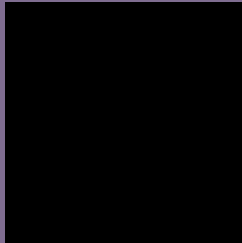
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 21.761, 310.668

Background



This preview shows how black text looks on a background with the CIELCh color 49, 21.761, 310.668.



This preview shows how white text looks on a background with the CIELCh color 49, 21.761, 310.668.

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, 21.761, 310.668

Protanopia

49, 20.057, 285.721

Deuteranopia

49, 17.059, 292.394



Tritanopia
49, 6.919, 330.389

Trichromacy



Original Color
49, 21.761, 310.668

Protanomaly
49, 20.039, 294.819

Deuteranomaly
49, 19.069, 300.339

Tritanomaly
49, 11.797, 316.985

Monochromacy



Original Color
49, 21.761, 310.668

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 7.453, 309.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 21.761, 310.668 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(127, 109, 144)` looks like.

```
.text, #text, p{  
    color:rgb(127, 109, 144)  
}
```

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(127, 109, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 109, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 21.761, 310.668 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(127, 109, 144) }
```

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

```
.border{ border-color:rgb(127, 109, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 109, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 109, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 109, 144);  
box-shadow:4px 4px 4px 4px rgb(127, 109,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 21.761, 310.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 109, 144) }
```

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

```
.background{ background-color: rgb(127,  
109, 144) }
```

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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