

Converting Colors

CIELCh(49, 21.909, 296.755)

Have a look what the booklet for
CIELCh(49, 21.909, 296.755)
contains.

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Color

CIELCh(49, 21.868, 296.731)

Conversions

Conversions Part 1

Format	Color
Hex	747095
RGB	116, 112, 149
RGB Percent	45%, 44%, 58%
CMY	0.5436, 0.5593, 0.4141
CMYK	0.22, 0.25, 0.00, 0.41
HSL	246°, 15%, 51%
HSV	246°, 25%, 59%
XYZ	18.5465, 17.5941, 31.0196
YIQ	117.4140, -9.4930, 12.3550

Conversions

Conversions Part 2

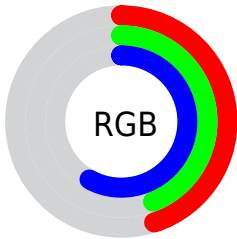
Format	Color
R _Y B	116, 112, 149
Decimal	7630997
CIE Lab	49.00, 9.84, -19.53
CIE LCh	49, 21.868, 296.731
Yxy	17.5941, 0.2762, 0.2620
Android (android.graphics.Color)	4285821077 (0xFF747095)
YUV	117.4140, 15.5719, -1.2401
Hunter-Lab	41.9453, 5.5211, -14.4848

Details

The CIELCh color $49, 21.868, 296.731$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $61, 20.682, 112.488$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 21.570, 296.897$, and $29, 22.011, 297.073$ is the 20% darker color. If you saturate the color by 10%, you get $44, 31.308, 297.921$, and if you desaturate by 10%, it is $54, 12.789, 295.699$.

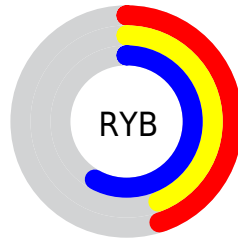
Distribution



Red (45%)

Green (44%)

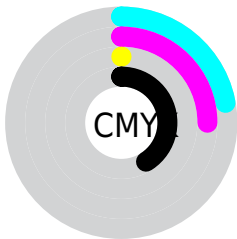
Blue (58%)



Red (45%)

Yellow (44%)

Blue (58%)

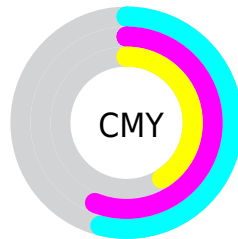


Cyan (22%)

Magenta (25%)

Yellow (0%)

Black (41%)



Cyan (54%)

Magenta (56%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 21.868, 296.731 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, 21.868, 296.731 by changing the saturation by 10% instead.

■ 49, 21.868,
296.731

■ 49, 21.868,
296.731

■ 100, 21.868,
296.731

■ 39, 21.868,
296.731

■ 69, 21.868,
296.731

■ 29, 21.868,
296.731

■ 79, 21.868,
296.731

■ 19, 21.868,
296.731

■ 89, 21.868,
296.731

■ 9, 21.868, 296.731

■ 99, 21.868,
296.731

■ 0, 21.868, 296.731

■ 49, 21.868,

■ 49, 21.868,

296.731

44, 31.308,
297.921

39, 41.105,
299.278

34, 51.194,
300.788

29, 61.390,
302.398

24, 71.253,
303.990

21, 79.949,
305.360

18, 86.314,
306.263

17, 89.174,
306.729

296.731

54, 12.789,
295.699

59, 4.061, 294.813

65, 4.338, 114.041

70, 12.429,
113.389

75, 20.235,
112.826

80, 27.773,
112.342

85, 35.062,
111.923

90, 42.118,
111.562

 95, 48.957,
111.249

Harmonies

Complementary

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



49, 21.868, 296.731



61, 20.682, 112.488

Rectangle

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



49, 21.868, 296.731



49, 21.868, 346.731



49, 21.868, 116.731



49, 21.868, 166.731

Sweetspot

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



49, 21.867, 296.730



74, 7.383, 295.010



58, 12.127, 208.388



38, 4.788, 295.053



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



49, 21.867, 296.730



59, 33.112, 297.404



51, 23.250, 313.535



29, 4.797, 295.187



15, 83.984, 306.764



0, 4.129, 294.428

Inverse Universe

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



52, 23.832, 328.930



64, 35.630, 329.269



59, 22.663, 131.405



29, 5.361, 328.016



31, 67.275, 332.943



1, 4.662, 327.520

Previews

White Background



This preview shows how the CIELCh color 49, 21.868, 296.731 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, 21.868, 296.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

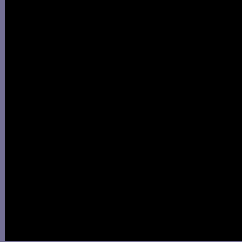
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 21.868, 296.731

Background



This preview shows how black text looks on a background with the CIELCh color 49, 21.868, 296.731.



This preview shows how white text looks on a background with the CIELCh color 49, 21.868, 296.731.

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, 21.868, 296.731

Protanopia

49, 21.248, 285.389

Deuteranopia

49, 20.580, 289.885



Tritanopia
49, 5.590, 270.626

Trichromacy



Original Color
49, 21.868, 296.731

Protanomaly
49, 21.178, 289.110

Deuteranomaly
49, 21.188, 292.917

Tritanomaly
49, 11.758, 289.888

Monochromacy



Original Color
49, 21.868, 296.731

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 7.651, 294.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 21.868, 296.731 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(116, 112, 149)` looks like.

```
.text, #text, p{  
    color:rgb(116, 112, 149)  
}
```

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(116, 112, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 112, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 21.868, 296.731 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(116, 112, 149) }
```

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

```
.border{ border-color:rgb(116, 112, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 112, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 112, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 112, 149);  
box-shadow:4px 4px 4px 4px rgb(116, 112,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 21.868, 296.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 112, 149) }
```

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

```
.background{ background-color: rgb(116,  
112, 149) }
```

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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