

Converting Colors

CIELCh(49, 18.845, 292.629)

Have a look what the booklet for
CIELCh(49, 18.845, 292.629)
contains.

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Color

CIELCh(49, 18.816, 292.611)

Conversions

Conversions Part 1

Format	Color
Hex	727292
RGB	114, 114, 146
RGB Percent	45%, 45%, 57%
CMY	0.5541, 0.5541, 0.4286
CMYK	0.22, 0.22, 0.00, 0.43
HSL	240°, 13%, 51%
HSV	240°, 22%, 57%
XYZ	18.0517, 17.5941, 29.5163
YIQ	117.6480, -10.2720, 9.9520

Conversions

Conversions Part 2

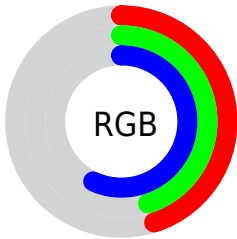
Format	Color
RYB	114, 114, 146
Decimal	7500434
CIELab	49.00, 7.23, -17.37
CIELCh	49, 18.816, 292.611
Yxy	17.5941, 0.2770, 0.2700
Android (android.graphics.Color)	4285690514 (0xFF727292)
YUV	117.6480, 13.9775, -3.1993
Hunter-Lab	41.9453, 3.4157, -12.3599

Details

The CIELCh color $49, 18.816, 292.611$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 17.905, 108.108$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 18.693, 292.040$, and $29, 18.686, 292.487$ is the 20% darker color. If you saturate the color by 10%, you get $44, 27.954, 294.035$, and if you desaturate by 10%, it is $54, 10.044, 291.396$.

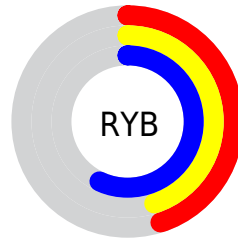
Distribution



Red (45%)

Green (45%)

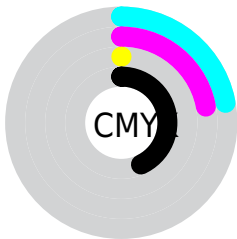
Blue (57%)



Red (45%)

Yellow (45%)

Blue (57%)

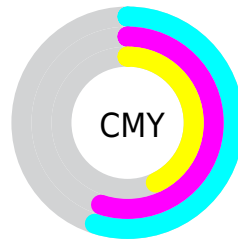


Cyan (22%)

Magenta (22%)

Yellow (0%)

Black (43%)



Cyan (55%)

Magenta (55%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 18.816, 292.611 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, 18.816, 292.611 by changing the saturation by 10% instead.

■ 49, 18.816,
292.611

■ 49, 18.816,
292.611

■ 100, 18.816,
292.611

■ 39, 18.816,
292.611

■ 69, 18.816,
292.611

■ 29, 18.816,
292.611

■ 79, 18.816,
292.611

■ 19, 18.816,
292.611

■ 89, 18.816,
292.611

■ 9, 18.816, 292.611

■ 99, 18.816,
292.611

■ 0, 18.816, 292.611

■ 49, 18.816,

■ 49, 18.816,

292.611

44, 27.954,
294.035

39, 37.478,
295.692

33, 47.368,
297.584

29, 57.508,
299.669

24, 67.553,
301.827

20, 76.741,
303.829

17, 83.812,
305.357

16, 88.172,
306.285

292.611

54, 10.044,
291.396

59, 1.618, 290.387

65, 6.492, 109.466


70, 14.307,
108.717

75, 21.848,
108.072

80, 29.135,
107.517

85, 36.183,
107.037

90, 43.008,
106.619

 95, 49.625,
106.255

Harmonies

Complementary

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



49, 18.816, 292.611



60, 17.905, 108.108

Rectangle

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



49, 18.816, 292.611



49, 18.816, 342.611



49, 18.816, 112.611



49, 18.816, 162.611

Sweetspot

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



49, 18.815, 292.610



72, 7.197, 290.880



58, 11.734, 196.834



37, 4.666, 290.931



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, 18.815, 292.610



60, 27.771, 293.234



50, 19.681, 309.507



28, 4.780, 291.097



15, 84.621, 306.285



0, 4.113, 290.172

Inverse Universe

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



51, 13.474, 20.950



63, 20.043, 21.411



58, 19.094, 127.500



29, 3.343, 19.880



28, 65.121, 38.923



1, 2.828, 19.392

Previews

White Background



This preview shows how the CIELCh color 49, 18.816, 292.611 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, 18.816, 292.611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

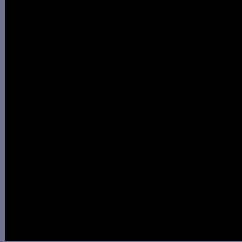
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 18.816, 292.611

Background



This preview shows how black text looks on a background with the CIELCh color 49, 18.816, 292.611.



This preview shows how white text looks on a background with the CIELCh color 49, 18.816, 292.611.

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, 18.816, 292.611

Protanopia

49, 18.866, 286.134

Deuteranopia

49, 18.814, 291.521



Tritanopia
49, 5.881, 263.572

Trichromacy



Original Color
49, 18.816, 292.611

Protanomaly
49, 18.816, 288.260

Deuteranomaly
49, 18.814, 291.521

Tritanomaly
49, 10.122, 280.776

Monochromacy



Original Color
49, 18.816, 292.611

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 6.462, 291.032

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 18.816, 292.611 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(114, 114, 146)` looks like.

```
.text, #text, p{  
    color:rgb(114, 114, 146)  
}
```

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(114, 114, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 114, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 18.816, 292.611 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(114, 114, 146) }
```

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

```
.border{ border-color:rgb(114, 114, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 114, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 114, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 114, 146);  
box-shadow:4px 4px 4px 4px rgb(114, 114,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 18.816, 292.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 114, 146) }
```

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

```
.background{ background-color: rgb(114,  
114, 146) }
```

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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