

Converting Colors

CIELCh(49, 18.821, 296.033)

Have a look what the booklet for
CIELCh(49, 18.821, 296.033)
contains.

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Color

CIELCh(49, 18.890, 295.919)

Conversions

Conversions Part 1

Format	Color
Hex	747191
RGB	116, 113, 145
RGB Percent	45%, 44%, 57%
CMY	0.5448, 0.5565, 0.4310
CMYK	0.20, 0.22, 0.00, 0.43
HSL	246°, 13%, 51%
HSV	246°, 22%, 57%
XYZ	18.2451, 17.5941, 29.2573
YIQ	117.5450, -8.4840, 10.5880

Conversions

Conversions Part 2

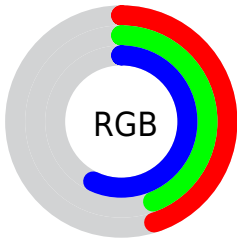
Format	Color
R_{YB}	116, 113, 145
Decimal	7631249
CIE _{Lab}	49.00, 8.26, -16.99
CIE _{LCh}	49, 18.890, 295.919
Yxy	17.5941, 0.2803, 0.2703
Android (android.graphics.Color)	4285821329 (0xFF747191)
YUV	117.5450, 13.5353, -1.3550
Hunter-Lab	41.9453, 4.2386, -11.9937

Details

The CIELCh color $49, 18.890, 295.919$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $59, 17.982, 112.096$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 18.757, 295.237$, and $29, 18.754, 295.944$ is the 20% darker color. If you saturate the color by 10%, you get $44, 28.005, 297.096$, and if you desaturate by 10%, it is $54, 10.127, 294.902$.

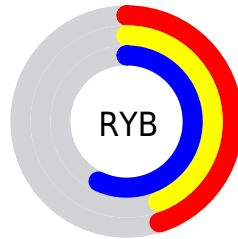
Distribution



Red (45%)

Green (44%)

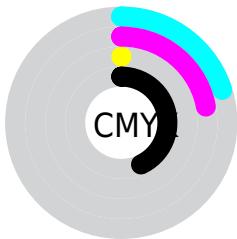
Blue (57%)



Red (45%)

Yellow (44%)

Blue (57%)

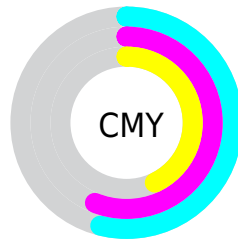


Cyan (20%)

Magenta (22%)

Yellow (0%)

Black (43%)



Cyan (54%)

Magenta (56%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 18.890, 295.919 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, 18.890, 295.919 by changing the saturation by 10% instead.

■ 49, 18.890,
295.919

■ 49, 18.890,
295.919

■ 100, 18.890,
295.919

■ 39, 18.890,
295.919

■ 69, 18.890,
295.919

■ 29, 18.890,
295.919

■ 79, 18.890,
295.919

■ 19, 18.890,
295.919

■ 89, 18.890,
295.919

■ 9, 18.890, 295.919

■ 99, 18.890,
295.919

■ 0, 18.890, 295.919

■ 49, 18.890,

■ 49, 18.890,

295.919

■ 44, 28.005,
297.096

■ 39, 37.479,
298.446

■ 34, 47.272,
299.965

■ 29, 57.250,
301.613

■ 25, 67.072,
303.292

■ 21, 76.041,
304.818

■ 18, 83.039,
305.935

■ 16, 87.370,
306.668

295.919

■ 54, 10.127,
294.902

■ 59, 1.701, 294.039

■ 64, 6.408, 113.273


■ 69, 14.224,
112.632

■ 74, 21.766,
112.079

■ 79, 29.053,
111.603

■ 84, 36.102,
111.191

■ 89, 42.927,
110.835

 93, 49.544,
110.525

Harmonies

Complementary

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



49, 18.890, 295.919



59, 17.982, 112.096

Rectangle

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



49, 18.890, 295.919



49, 18.890, 345.919



49, 18.890, 115.919



49, 18.890, 165.919

Sweetspot

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



49, 18.889, 295.918



72, 7.219, 294.458



57, 10.795, 206.577



37, 4.680, 294.501



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, 18.889, 295.918



60, 27.835, 296.425



50, 20.081, 312.860



28, 4.655, 294.636



15, 82.940, 306.696



0, 3.094, 293.862

Inverse Universe

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



52, 20.919, 328.314



64, 30.551, 328.571



58, 19.610, 130.978



28, 5.260, 327.569



31, 67.116, 332.240



1, 3.532, 327.080

Previews

White Background



This preview shows how the CIELCh color 49, 18.890, 295.919 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, 18.890, 295.919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

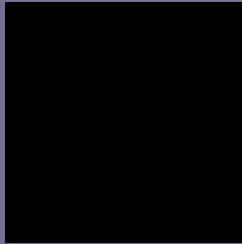
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 18.890, 295.919

Background



This preview shows how black text looks on a background with the CIELCh color 49, 18.890, 295.919.



This preview shows how white text looks on a background with the CIELCh color 49, 18.890, 295.919.

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, 18.890, 295.919

Protanopia

49, 18.866, 286.134

Deuteranopia

49, 18.228, 291.409



Tritanopia
49, 5.477, 274.427

Trichromacy



Original Color
49, 18.890, 295.919

Protanomaly
49, 18.818, 290.435

Deuteranomaly
49, 18.230, 292.539

Tritanomaly
49, 9.998, 287.141

Monochromacy



Original Color
49, 18.890, 295.919

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 7.066, 294.253

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 18.890, 295.919 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, 113, 145)` looks like.

```
.text, #text, p{  
    color:rgb(116, 113, 145)  
}
```

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, 113, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 113, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 18.890, 295.919 is called "border". The border property can be set on classes, ids or directly on the HTML element.

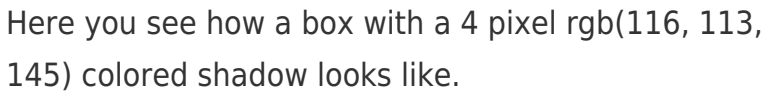
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 113, 145) }
```

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

```
.border{ border-color:rgb(116, 113, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 113, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 113, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 113, 145);  
box-shadow:4px 4px 4px 4px rgb(116, 113,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 18.890, 295.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 113, 145) }
```

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

```
.background{ background-color: rgb(116,  
113, 145) }
```

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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