

Converting Colors

CIELCh(49, 42.292, 295.033)

Have a look what the booklet for
CIELCh(49, 42.292, 295.033)
contains.

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Color

CIELCh(49, 42.292, 295.033)

Conversions

Conversions Part 1

Format	Color
Hex	6C6DB5
RGB	108, 109, 181
RGB Percent	42%, 43%, 71%
CMY	0.5747, 0.5710, 0.2884
CMYK	0.40, 0.40, 0.00, 0.29
HSL	239°, 33%, 57%
HSV	239°, 40%, 71%
XYZ	20.1360, 17.5941, 46.2926
YIQ	116.9090, -23.7080, 22.1800

Conversions

Conversions Part 2

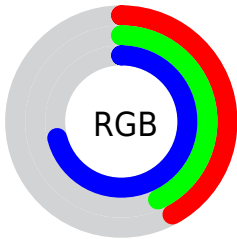
Format	Color
R _Y B	108, 109, 181
Decimal	7105973
CIE Lab	49.00, 17.90, -38.32
CIE LCh	49, 42.292, 295.033
Yxy	17.5941, 0.2396, 0.2094
Android (android.graphics.Color)	4285296053 (0xFF6C6DB5)
YUV	116.9090, 31.5969, -7.8132
Hunter-Lab	41.9453, 12.2855, -36.0733

Details

The CIELCh color $49, 42.292, 295.033$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $72, 38.249, 105.773$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 42.397, 295.124$, and $29, 42.289, 294.869$ is the 20% darker color. If you saturate the color by 10%, you get $43, 53.912, 296.954$, and if you desaturate by 10%, it is $55, 31.118, 293.361$.

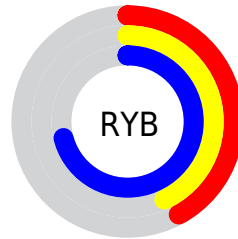
Distribution



Red (42%)

Green (43%)

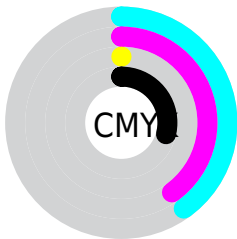
Blue (71%)



Red (42%)

Yellow (43%)

Blue (71%)

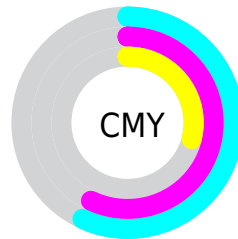


Cyan (40%)

Magenta (40%)

Yellow (0%)

Black (29%)



Cyan (57%)


Magenta (57%)

Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 42.292, 295.033 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, 42.292, 295.033 by changing the saturation by 10% instead.


 49, 42.292,
295.033


 49, 42.292,
295.033


 100, 42.292,
295.033


 39, 42.292,
295.033

 69, 42.292,
295.033


 29, 42.292,
295.033

 79, 42.292,
295.033

 19, 42.292,
295.033

 89, 42.292,
295.033

 9, 42.292, 295.033

 99, 42.292,
295.033

 0, 42.292, 295.033

 49, 42.292,

 49, 42.292,

295.033

■ 43, 53.912,
296.954

■ 37, 65.871,
299.091

■ 32, 77.811,
301.331

■ 27, 88.896,
303.452

■ 24, 97.676,
305.129

■ 22, 103.028,
306.124

295.033

■ 55, 31.118,
293.361

■ 61, 20.402,
291.929

■ 68, 10.119,
290.713


■ 74, 0.239, 289.941

■ 80, 9.270, 108.783

■ 86, 18.436,
108.035

■ 92, 27.281,
107.392

■ 98, 35.829,
106.838

 98, 36.933,
107.362

Harmonies

Complementary

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



49, 42.292, 295.033



72, 38.249, 105.773

Rectangle

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



49, 42.292, 295.033



49, 42.292, 345.033



49, 42.292, 115.033



49, 42.292, 165.033

Sweetspot

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



49, 42.291, 295.033



85, 14.800, 290.936



69, 23.954, 195.894



44, 9.921, 291.087



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



49, 42.291, 295.033



57, 63.847, 296.668



52, 44.079, 310.528



35, 5.644, 290.614



18, 91.842, 306.090



1, 15.233, 289.913

Inverse Universe

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



54, 31.502, 22.303



65, 47.926, 23.844



70, 41.523, 126.603



36, 4.003, 18.841



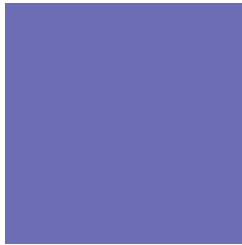
32, 71.364, 39.069



2, 10.641, 18.597

Previews

White Background



This preview shows how the CIELCh color 49, 42.292, 295.033 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, 42.292, 295.033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

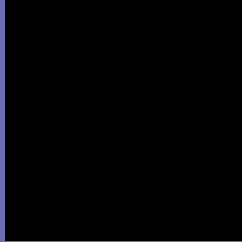
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 42.292, 295.033

Background



This preview shows how black text looks on a background with the CIELCh color 49, 42.292, 295.033.

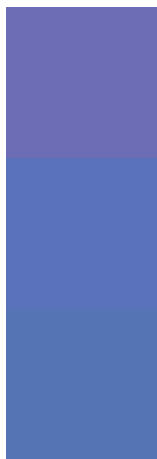


This preview shows how white text looks on a background with the CIELCh color 49, 42.292, 295.033.

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, 42.292, 295.033

Protanopia

49, 41.880, 285.626

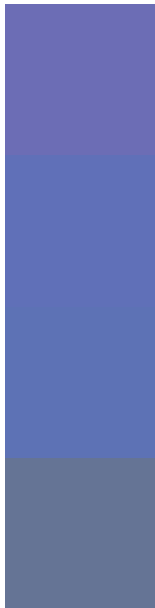
Deuteranopia

49, 38.144, 281.023



Tritanopia
49, 10.430, 233.112

Trichromacy



Original Color
49, 42.292, 295.033

Protanomaly
49, 42.307, 289.135

Deuteranomaly
49, 39.486, 286.134

Tritanomaly
49, 19.891, 277.605

Monochromacy



Original Color
49, 42.292, 295.033

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 15.300, 292.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 42.292, 295.033 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(108, 109, 181)` looks like.

```
.text, #text, p{  
    color:rgb(108, 109, 181)  
}
```

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(108, 109, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 109, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 42.292, 295.033 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(108, 109, 181) }
```

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

```
.border{ border-color:rgb(108, 109, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 109, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 109, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 109, 181);  
box-shadow:4px 4px 4px 4px rgb(108, 109,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 42.292, 295.033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 109, 181) }
```

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

```
.background{ background-color: rgb(108,  
109, 181) }
```

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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