

Converting Colors

CIELCh(49, 33.641, 294.431)

Have a look what the booklet for
CIELCh(49, 33.641, 294.431)
contains.

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Color

CIELCh(49, 33.511, 294.412)

Conversions

Conversions Part 1

Format	Color
Hex	6F6FA8
RGB	111, 111, 168
RGB Percent	44%, 44%, 66%
CMY	0.5645, 0.5645, 0.3409
CMYK	0.34, 0.34, 0.00, 0.34
HSL	240°, 25%, 55%
HSV	240°, 34%, 66%
XYZ	19.3272, 17.5941, 39.4532
YIQ	117.4980, -18.2970, 17.7270

Conversions

Conversions Part 2

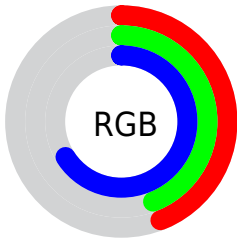
Format	Color
R_{YB}	111, 111, 168
Decimal	7303080
CIE _{Lab}	49.00, 13.85, -30.52
CIE _{LCh}	49, 33.511, 294.412
Yxy	17.5941, 0.2531, 0.2304
Android (android.graphics.Color)	4285493160 (0xFF6F6FA8)
YUV	117.4980, 24.8975, -5.6987
Hunter-Lab	41.9453, 8.8436, -26.4058

Details

The CIELCh color `49, 33.511, 294.412` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `68, 30.848, 106.961`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 33.011, 293.972`, and `29, 34.076, 294.658` is the 20% darker color. If you saturate the color by 10%, you get `43, 44.318, 296.147`, and if you desaturate by 10%, it is `55, 23.140, 292.918`.

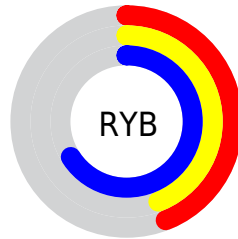
Distribution



Red (44%)

Green (44%)

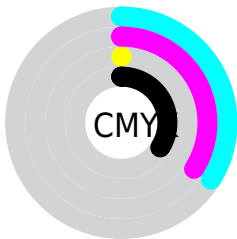
Blue (66%)



Red (44%)

Yellow (44%)

Blue (66%)

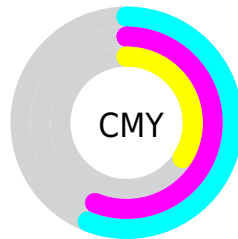


Cyan (34%)

Magenta (34%)

Yellow (0%)

Black (34%)



Cyan (56%)

Magenta (56%)

Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 33.511, 294.412 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, 33.511, 294.412 by changing the saturation by 10% instead.


 49, 33.511,
294.412

 49, 33.511,
294.412


 100, 33.511,
294.412

 39, 33.511,
294.412

 69, 33.511,
294.412

 29, 33.511,
294.412


 79, 33.511,
294.412

 19, 33.511,
294.412

 89, 33.511,
294.412

 9, 33.511, 294.412

 99, 33.511,
294.412

 0, 33.511, 294.412

 49, 33.511,

 49, 33.511,

294.412

■ 43, 44.318,
296.147

■ 37, 55.522,
298.116

■ 32, 66.942,
300.261

■ 27, 78.073,
302.428

■ 23, 87.868,
304.348

■ 21, 94.788,
305.688

■ 19, 97.926,
306.287

294.412

■ 55, 23.140,
292.918

■ 61, 13.195,
291.645

■ 67, 3.648, 290.573

■ 72, 5.533, 109.627

■ 78, 14.374,
108.850

■ 84, 22.901,
108.181

■ 90, 31.134,
107.605

■ 95, 39.093,
107.109

 98, 43.474,
106.857

Harmonies

Complementary

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



49, 33.511, 294.412



68, 30.848, 106.961

Rectangle

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



49, 33.511, 294.412



49, 33.511, 344.412



49, 33.511, 114.412



49, 33.511, 164.412

Sweetspot

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



49, 33.510, 294.412



80, 11.688, 291.221



65, 19.423, 197.781



41, 7.982, 291.371



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



49, 33.510, 294.412



58, 51.141, 295.750



52, 34.763, 310.711



32, 5.323, 291.124



16, 89.150, 306.287



0, 9.559, 290.179

Inverse Universe

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



55, 38.512, 326.241



67, 57.345, 326.627



66, 33.162, 127.509



33, 6.429, 324.921



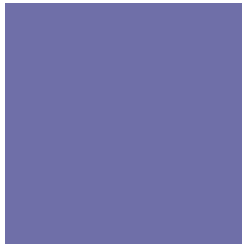
35, 76.991, 328.234



2, 11.672, 324.440

Previews

White Background



This preview shows how the CIELCh color 49, 33.511, 294.412 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, 33.511, 294.412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

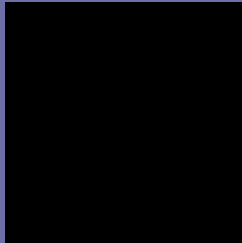
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 33.511, 294.412

Background



This preview shows how black text looks on a background with the CIELCh color 49, 33.511, 294.412.



This preview shows how white text looks on a background with the CIELCh color 49, 33.511, 294.412.

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, 33.511, 294.412

Protanopia

49, 33.631, 285.905

Deuteranopia

49, 30.817, 283.425



Tritanopia
49, 8.171, 239.379

Trichromacy



Original Color
49, 33.511, 294.412

Protanomaly
49, 33.511, 288.990

Deuteranomaly
49, 31.212, 287.053

Tritanomaly
49, 16.226, 278.229

Monochromacy



Original Color
49, 33.511, 294.412

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 12.345, 291.791

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 33.511, 294.412 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(111, 111, 168)` looks like.

```
.text, #text, p{  
    color:rgb(111, 111, 168)  
}
```

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(111, 111, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 111, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 33.511, 294.412 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(111, 111, 168) }
```

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

```
.border{ border-color:rgb(111, 111, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 111, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 111, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 111, 168);  
box-shadow:4px 4px 4px 4px rgb(111, 111,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 33.511, 294.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 111, 168) }
```

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

```
.background{ background-color: rgb(111,  
111, 168) }
```

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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