

Converting Colors

CIELCh(49, 27.633, 290.237)

Have a look what the booklet for
CIELCh(49, 27.633, 290.237)
contains.

CIELCh(49, 27.633, 290.237)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 27.633, 290.237)

Conversions

Conversions Part 1

Format	Color
Hex	6C71A0
RGB	108, 113, 160
RGB Percent	42%, 44%, 63%
CMY	0.5757, 0.5562, 0.3718
CMYK	0.32, 0.29, 0.00, 0.37
HSL	234°, 22%, 53%
HSV	234°, 32%, 63%
XYZ	18.4932, 17.5941, 35.7661
YIQ	116.8630, -18.0670, 13.5570

Conversions

Conversions Part 2

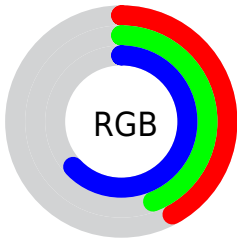
Format	Color
RYB	108, 113, 160
Decimal	7106976
CIELab	49.00, 9.56, -25.93
CIELCh	49, 27.633, 290.237
Yxy	17.5941, 0.2574, 0.2449
Android (android.graphics.Color)	4285297056 (0xFF6C71A0)
YUV	116.8630, 21.2665, -7.7729
Hunter-Lab	41.9453, 5.2945, -21.1940

Details

The CIELCh color $49, 27.633, 290.237$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $63, 25.978, 102.625$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 27.488, 290.142$, and $29, 27.705, 290.427$ is the 20% darker color. If you saturate the color by 10%, you get $44, 36.846, 292.031$, and if you desaturate by 10%, it is $54, 18.769, 288.697$.

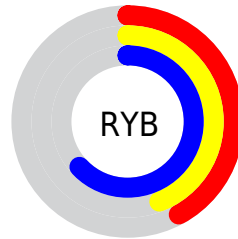
Distribution



Red (42%)

Green (44%)

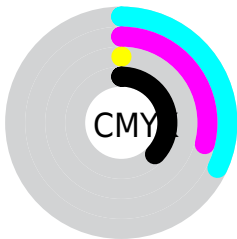
Blue (63%)



Red (42%)

Yellow (44%)

Blue (63%)

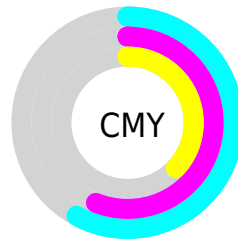


Cyan (32%)

Magenta (29%)

Yellow (0%)

Black (37%)



Cyan (58%)

Magenta (56%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 27.633, 290.237 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, 27.633, 290.237 by changing the saturation by 10% instead.


 49, 27.633,
290.237


 49, 27.633,
290.237


 100, 27.633,
290.237


 39, 27.633,
290.237

 69, 27.633,
290.237


 29, 27.633,
290.237

 79, 27.633,
290.237

 19, 27.633,
290.237

 89, 27.633,
290.237

 9, 27.633, 290.237

 99, 27.633,
290.237

 0, 27.633, 290.237

 49, 27.633,

 49, 27.633,

290.237

■ 44, 36.846,
292.031

■ 39, 46.421,
294.094

■ 34, 56.319,
296.410

■ 29, 66.371,
298.898

■ 25, 76.131,
301.388

■ 21, 84.724,
303.608

■ 20, 89.772,
304.851

290.237

■ 54, 18.769,
288.697

■ 59, 10.232,
287.383

■ 65, 1.995, 286.292

■ 70, 5.964, 105.267

■ 75, 13.664,
104.445

■ 80, 21.122,
103.729

■ 85, 28.352,
103.106

■ 90, 35.367,
102.560

■ 95, 42.180,
102.081

Harmonies

Complementary

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



49, 27.633, 290.237



63, 25.978, 102.625

Rectangle

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



49, 27.633, 290.237



49, 27.633, 340.237



49, 27.633, 110.237



49, 27.633, 160.237

Sweetspot

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



49, 27.632, 290.237



77, 10.158, 287.113



62, 18.597, 188.689



40, 6.932, 287.268



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



49, 27.632, 290.237



59, 41.817, 291.517



49, 31.515, 307.318



31, 4.567, 287.003



17, 82.043, 304.683



1, 5.922, 286.233

Inverse Universe

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



51, 22.184, 14.803



62, 33.753, 15.933



63, 29.825, 123.888



31, 3.557, 12.144



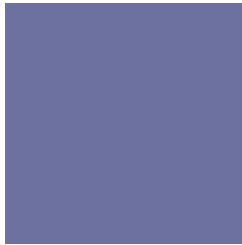
29, 63.831, 35.076



1, 4.520, 11.872

Previews

White Background



This preview shows how the CIELCh color 49, 27.633, 290.237 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, 27.633, 290.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

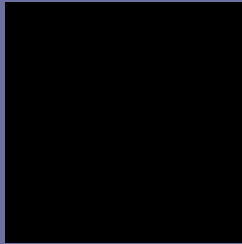
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 27.633, 290.237

Background



This preview shows how black text looks on a background with the CIELCh color 49, 27.633, 290.237.



This preview shows how white text looks on a background with the CIELCh color 49, 27.633, 290.237.

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

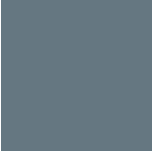
49, 27.633, 290.237

Protanopia

49, 27.189, 284.576

Deuteranopia

49, 26.577, 284.950



Tritanopia
49, 8.791, 241.000

Trichromacy



Original Color
49, 27.633, 290.237

Protanomaly
49, 27.700, 286.858

Deuteranomaly
49, 27.094, 287.290

Tritanomaly
49, 14.156, 272.585

Monochromacy



Original Color
49, 27.633, 290.237

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 9.998, 287.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 27.633, 290.237 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, 113, 160)` looks like.

```
.text, #text, p{  
    color:rgb(108, 113, 160)  
}
```

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, 113, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 113, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 27.633, 290.237 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, 113, 160) }
```

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

```
.border{ border-color:rgb(108, 113, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 113, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 113, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 113, 160);  
box-shadow:4px 4px 4px 4px rgb(108, 113,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 27.633, 290.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 113, 160) }
```

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

```
.background{ background-color: rgb(108,  
113, 160) }
```

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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