

Converting Colors

CIELCh(49, 27.269, 283.963)

Have a look what the booklet for
CIELCh(49, 27.269, 283.963)
contains.

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Color

CIELCh(49, 27.230, 283.921)

Conversions

Conversions Part 1

Format	Color
Hex	6573A1
RGB	101, 115, 161
RGB Percent	40%, 45%, 63%
CMY	0.6040, 0.5491, 0.3687
CMYK	0.37, 0.29, 0.00, 0.37
HSL	226°, 24%, 51%
HSV	226°, 37%, 63%
XYZ	17.9233, 17.5941, 36.1586
YIQ	116.0580, -23.1100, 11.3380

Conversions

Conversions Part 2

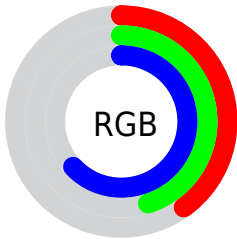
Format	Color
R_{YB}	101, 112, 161
Decimal	6648737
CIE _{Lab}	49.00, 6.55, -26.43
CIE _{LCh}	49, 27.230, 283.921
Yxy	17.5941, 0.2501, 0.2455
Android (android.graphics.Color)	4284838817 (0xFF6573A1)
YUV	116.0580, 22.1564, -13.2059
Hunter-Lab	41.9453, 2.8692, -21.7488

Details

The CIELCh color `49, 27.230, 283.921` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `61, 26.320, 93.892`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 27.112, 283.866`, and `29, 27.240, 284.352` is the 20% darker color. If you saturate the color by 10%, you get `44, 35.041, 286.037`, and if you desaturate by 10%, it is `54, 19.650, 282.099`.

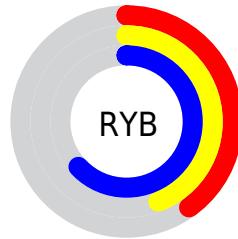
Distribution



Red (40%)

Green (45%)

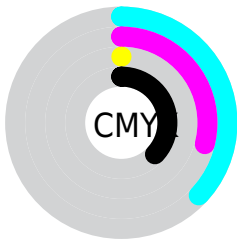
Blue (63%)



Red (40%)

Yellow (44%)

Blue (63%)

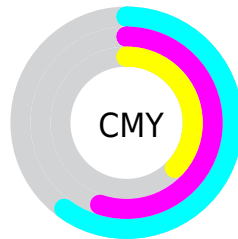


Cyan (37%)

Magenta (29%)

Yellow (0%)

Black (37%)



Cyan (60%)

Magenta (55%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 27.230, 283.921 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, 27.230, 283.921 by changing the saturation by 10% instead.


 49, 27.230,
283.921


 49, 27.230,
283.921


 100, 27.230,
283.921


 39, 27.230,
283.921

 69, 27.230,
283.921


 29, 27.230,
283.921

 79, 27.230,
283.921

 19, 27.230,
283.921

 89, 27.230,
283.921

 9, 27.230, 283.921

 99, 27.230,
283.921

 0, 27.230, 283.921

 49, 27.230,

 49, 27.230,

283.921

283.921

■ 44, 35.041,
286.037

■ 54, 19.650,
282.099

■ 40, 43.110,
288.470

■ 58, 12.283,
280.539

■ 36, 51.445,
291.212

■ 63, 5.109, 279.213

■ 31, 60.006,
294.202

■ 67, 1.883, 97.946

■ 72, 8.703, 97.006

■ 28, 68.625,
297.301

■ 77, 15.358, 96.141

■ 24, 76.918,
300.256

■ 81, 21.855, 95.379

■ 86, 28.199, 94.707

■ 23, 79.067,
300.956

■ 90, 34.396, 94.111

Harmonies

Complementary

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



49, 27.230, 283.921



61, 26.320, 93.892

Rectangle

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



49, 27.230, 283.921



49, 27.230, 333.921



49, 27.230, 103.921



49, 27.230, 153.921

Sweetspot

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



49, 27.229, 283.921



78, 9.607, 279.707



62, 23.078, 175.887



40, 6.452, 279.872



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, 27.229, 283.921



58, 41.187, 285.716



46, 36.090, 302.776



32, 4.029, 279.460



21, 72.768, 300.698



1, 6.357, 279.712

Inverse Universe

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



50, 26.212, 5.115



60, 39.548, 6.628



64, 33.300, 117.617



32, 3.801, 1.536



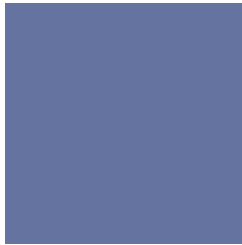
30, 59.329, 25.661



1, 5.738, 2.383

Previews

White Background



This preview shows how the CIE LCh color 49, 27.230, 283.921 looks on a white background.

Color Contrast Check

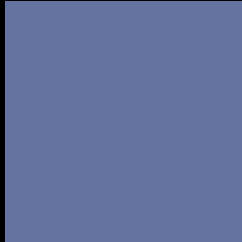
Large Text (above 18pt) WCAG AA ✓ Pass

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, 27.230, 283.921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

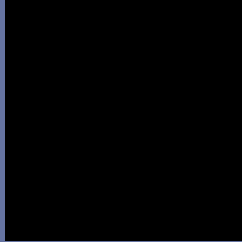
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

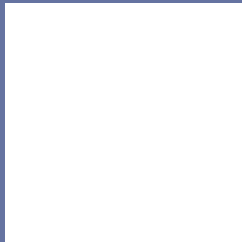
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 27.230, 283.921

Background



This preview shows how black text looks on a background with the CIELCh color 49, 27.230, 283.921.



This preview shows how white text looks on a background with the CIELCh color 49, 27.230, 283.921.

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, 27.230, 283.921

Protanopia

49, 27.189, 284.576

Deuteranopia

49, 27.189, 284.576



Tritanopia
49, 11.035, 227.287

Trichromacy



Original Color
49, 27.230, 283.921

Protanomaly
49, 27.189, 284.576

Deuteranomaly
49, 27.189, 284.576

Tritanomaly
49, 14.811, 260.183

Monochromacy



Original Color
49, 27.230, 283.921

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 9.547, 280.005

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 27.230, 283.921 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(101, 115, 161)` looks like.

```
.text, #text, p{  
    color:rgb(101, 115, 161)  
}
```

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(101, 115, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 115, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 27.230, 283.921 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(101, 115, 161) }
```

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

```
.border{ border-color:rgb(101, 115, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 115, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 115, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 115, 161);  
box-shadow:4px 4px 4px 4px rgb(101, 115,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 27.230, 283.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 115, 161) }
```

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

```
.background{ background-color: rgb(101,  
115, 161) }
```

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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