

Converting Colors

CIELCh(49, 32.288, 274.105)

Have a look what the booklet for
CIELCh(49, 32.288, 274.105)
contains.

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Color

CIELCh(49, 32.441, 273.981)

Conversions

Conversions Part 1

Format	Color
Hex	5076AB
RGB	80, 118, 171
RGB Percent	31%, 46%, 67%
CMY	0.6864, 0.5374, 0.3295
CMYK	0.53, 0.31, 0.00, 0.33
HSL	215°, 36%, 49%
HSV	215°, 53%, 67%
XYZ	17.1292, 17.5941, 41.0070
YIQ	112.6800, -39.6610, 8.4270

Conversions

Conversions Part 2

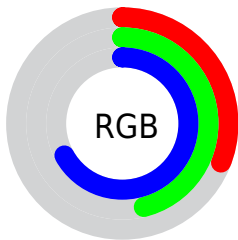
Format	Color
R _Y B	80, 107, 171
Decimal	5273259
CIE Lab	49.00, 2.25, -32.36
CIE LCh	49, 32.441, 273.981
Yxy	17.5941, 0.2262, 0.2323
Android (android.graphics.Color)	4283463339 (0xFF5076AB)
YUV	112.6800, 28.7518, -28.6604
Hunter-Lab	41.9453, -0.5103, -28.6020

Details

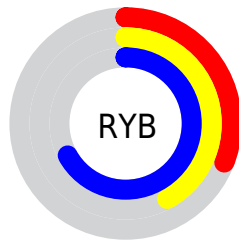
The CIELCh color **49, 32.441, 273.981** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **58, 34.872, 76.735**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 32.572, 274.214**, and **29, 32.262, 273.713** is the 20% darker color. If you saturate the color by 10%, you get **45, 38.612, 277.012**, and if you desaturate by 10%, it is **53, 26.311, 271.363**.

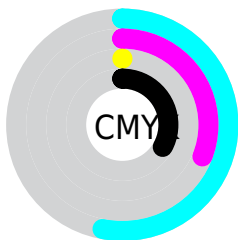
Distribution



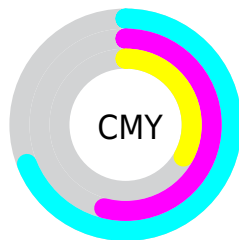
- Red (31%)
- Green (46%)
- Blue (67%)



- Red (31%)
- Yellow (42%)
- Blue (67%)



- Cyan (53%)
- Magenta (31%)
- Yellow (0%)
- Black (33%)





- Cyan (69%)
- Magenta (54%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 32.441, 273.981 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, 32.441, 273.981 by changing the saturation by 10% instead.


 49, 32.441,
273.981


 49, 32.441,
273.981


 100, 32.441,
273.981


 39, 32.441,
273.981

 69, 32.441,
273.981


 29, 32.441,
273.981

 79, 32.441,
273.981

 19, 32.441,
273.981

 89, 32.441,
273.981

 9, 32.441, 273.981

 99, 32.441,
273.981

 0, 32.441, 273.981

 49, 32.441,

 49, 32.441,

273.981

273.981

■ 45, 38.612,
277.012

■ 53, 26.311,
271.363

■ 42, 44.868,
280.455

■ 57, 20.200,
269.126

■ 38, 51.256,
284.253

■ 61, 14.102,
267.223

■ 35, 57.810,
288.273

■ 65, 8.017, 265.611

■ 33, 62.358,
290.899

■ 69, 1.955, 264.325

■ 73, 4.076, 82.926

■ 77, 10.065, 81.933

■ 81, 16.002, 81.044

■ 85, 21.881, 80.260

Harmonies

Complementary

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



49, 32.441, 273.981



58, 34.872, 76.735

Rectangle

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



49, 32.441, 273.981



49, 32.441, 323.981



49, 32.441, 93.981



49, 32.441, 143.981

Sweetspot

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



49, 32.440, 273.981



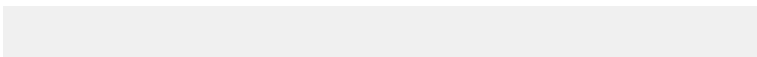
81, 11.997, 266.075



64, 38.655, 161.649



42, 8.167, 266.391



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



49, 32.440, 273.981



58, 48.338, 277.638



39, 55.458, 299.591



35, 3.470, 265.056



29, 56.140, 290.448



2, 7.907, 270.543

Inverse Universe

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



47, 41.694, 354.791



55, 60.388, 357.258



68, 47.929, 108.397



34, 4.403, 349.112



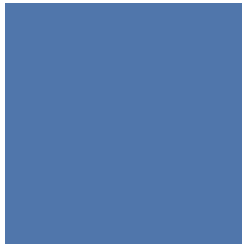
32, 57.012, 9.063



2, 8.753, 353.204

Previews

White Background



This preview shows how the CIE LCh color 49, 32.441, 273.981 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, 32.441, 273.981 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

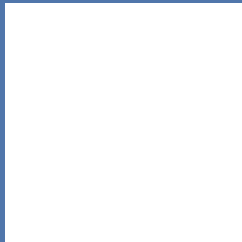
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 32.441, 273.981

Background



This preview shows how black text looks on a background with the CIELCh color 49, 32.441, 273.981.



This preview shows how white text looks on a background with the CIELCh color 49, 32.441, 273.981.

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, 32.441, 273.981

Protanopia

49, 31.882, 285.658

Deuteranopia

49, 33.865, 282.498



Tritanopia
49, 19.644, 215.147

Trichromacy



Original Color
49, 32.441, 273.981

Protanomaly
49, 32.181, 281.495

Deuteranomaly
49, 33.515, 279.807

Tritanomaly
49, 21.374, 244.327

Monochromacy



Original Color
49, 32.441, 273.981

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 12.167, 266.752

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 32.441, 273.981 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(80, 118, 171)` looks like.

```
.text, #text, p{  
    color:rgb(80, 118, 171)  
}
```

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(80, 118, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 118, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 32.441, 273.981 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(80, 118, 171) }
```

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

```
.border{ border-color:rgb(80, 118, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 118, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 118, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 118, 171);  
box-shadow:4px 4px 4px 4px rgb(80, 118,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 32.441, 273.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 118, 171) }
```

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

```
.background{ background-color: rgb(80, 118,  
171) }
```

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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