

Converting Colors

CIELCh(49, 49.132, 276.174)

Have a look what the booklet for
CIELCh(49, 49.132, 276.174)
contains.

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Color

CIELCh(49, 49.103, 276.294)

Conversions

Conversions Part 1

Format	Color
Hex	2776C7
RGB	39, 118, 199
RGB Percent	15%, 46%, 78%
CMY	0.8451, 0.5363, 0.2185
CMYK	0.80, 0.41, 0.00, 0.22
HSL	210°, 67%, 47%
HSV	210°, 80%, 78%
XYZ	17.7052, 17.5941, 56.6688
YIQ	103.6130, -73.0850, 8.4430

Conversions

Conversions Part 2

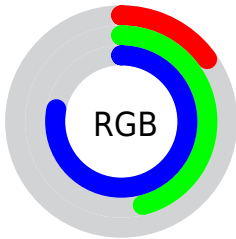
Format	Color
R_{YB}	39, 92, 199
Decimal	2586311
CIE _{Lab}	49.00, 5.38, -48.81
CIE _{LCh}	49, 49.103, 276.294
Yxy	17.5941, 0.1925, 0.1913
Android (android.graphics.Color)	4280776391 (0xFF2776C7)
YUV	103.6130, 47.0258, -56.6656
Hunter-Lab	41.9453, 1.9410, -50.7401

Details

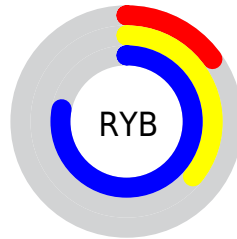
The CIELCh color **49, 49.103, 276.294** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **58, 59.626, 65.537**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 48.325, 275.576**, and **31, 46.904, 283.775** is the 20% darker color. If you saturate the color by 10%, you get **46, 55.090, 280.661**, and if you desaturate by 10%, it is **53, 43.208, 272.292**.

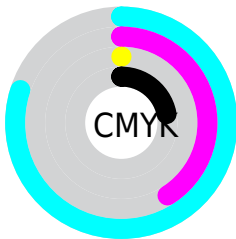
Distribution



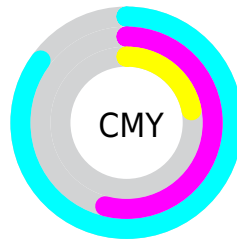
- Red (15%)
- Green (46%)
- Blue (78%)



- Red (15%)
- Yellow (36%)
- Blue (78%)



- Cyan (80%)
- Magenta (41%)
- Yellow (0%)
- Black (22%)



- Cyan (85%)
- Magenta (54%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 49.103, 276.294 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, 49.103, 276.294 by changing the saturation by 10% instead.

 49, 49.103,
276.294

 49, 49.103,
276.294

 100, 49.103,
276.294

 39, 49.103,
276.294

 69, 49.103,
276.294

 29, 49.103,
276.294

 79, 49.103,
276.294

 19, 49.103,
276.294

 89, 49.103,
276.294

 9, 49.103, 276.294

 99, 49.103,
276.294

 0, 49.103, 276.294

 49, 49.103,

 49, 49.103,

276.294

276.294

■ 46, 55.090,
280.661

■ 53, 43.208,
272.292

■ 43, 61.162,
285.013

■ 56, 37.316,
268.754

■ 60, 31.359,
265.702

■ 64, 25.300,
263.110

■ 68, 19.133,
260.928

■ 72, 12.867,
259.097

■ 76, 6.522, 257.573

■ 80, 0.124, 259.132

Harmonies

Complementary

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



49, 49.103, 276.294



58, 59.626, 65.537

Rectangle

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



49, 49.103, 276.294



49, 49.103, 326.294



49, 49.103, 96.294



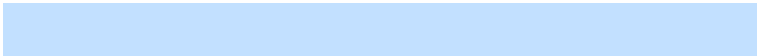
49, 49.103, 146.294

Sweetspot

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



49, 49.102, 276.295



88, 18.650, 259.821



71, 64.504, 153.300



45, 12.785, 260.494



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 49.102, 276.295



56, 71.662, 283.929



30, 96.910, 303.862



40, 3.629, 257.465



35, 51.971, 284.309



5, 14.134, 270.915

Inverse Universe

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



46, 65.963, 355.775



55, 84.142, 1.903



78, 74.229, 103.391



39, 5.177, 344.774



35, 60.667, 2.231



4, 17.789, 353.416

Previews

White Background



This preview shows how the CIE LCh color 49, 49.103, 276.294 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, 49.103, 276.294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

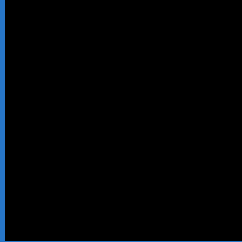
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 49.103, 276.294

Background



This preview shows how black text looks on a background with the CIELCh color 49, 49.103, 276.294.



This preview shows how white text looks on a background with the CIELCh color 49, 49.103, 276.294.

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, 49.103, 276.294

Protanopia

49, 47.756, 286.186

Deuteranopia

49, 49.800, 278.955



Tritanopia
49, 29.242, 207.173

Trichromacy



Original Color
49, 49.103, 276.294

Protanomaly
49, 48.208, 281.897

Deuteranomaly
49, 49.926, 278.357

Tritanomaly
49, 30.822, 239.978

Monochromacy



Original Color
49, 49.103, 276.294

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 19.808, 264.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 49.103, 276.294 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(39, 118, 199)` looks like.

```
.text, #text, p{  
    color:rgb(39, 118, 199)  
}
```

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(39, 118, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 118, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 49.103, 276.294 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(39, 118, 199) }
```

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

```
.border{ border-color:rgb(39, 118, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 118, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 118, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 118, 199);  
box-shadow:4px 4px 4px 4px rgb(39, 118,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 49.103, 276.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 118, 199) }
```

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

```
.background{ background-color: rgb(39, 118,  
199) }
```

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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