

Converting Colors

CIELCh(49, 51.287, 274.304)

Have a look what the booklet for
CIELCh(49, 51.287, 274.304)
contains.

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Color

CIELCh(49, 51.300, 274.556)

Conversions

Conversions Part 1

Format	Color
Hex	0177CB
RGB	1, 119, 203
RGB Percent	0%, 47%, 80%
CMY	0.9943, 0.5323, 0.2027
CMYK	0.99, 0.41, 0.00, 0.20
HSL	205°, 99%, 40%
HSV	205°, 99%, 80%
XYZ	17.4630, 17.5941, 59.1678
YIQ	93.2940, -97.2920, 1.1080

Conversions

Conversions Part 2

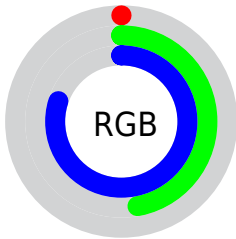
Format	Color
RYB	1, 75, 203
Decimal	96203
CIELab	49.00, 4.07, -51.14
CIELCh	49, 51.300, 274.556
Yxy	17.5941, 0.1853, 0.1867
Android (android.graphics.Color)	4278286283 (0xFF0177CB)
YUV	93.2940, 54.0851, -80.9418
Hunter-Lab	41.9453, 0.9101, -54.2725

Details

The CIELCh color **49, 51.300, 274.556** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **51, 74.527, 54.108**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 48.490, 272.459**, and **31, 49.237, 285.162** is the 20% darker color. If you saturate the color by 10%, you get **49, 51.627, 274.889**, and if you desaturate by 10%, it is **52, 46.849, 269.664**.

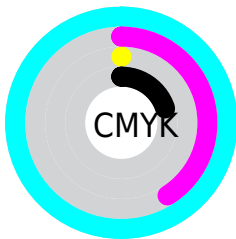
Distribution



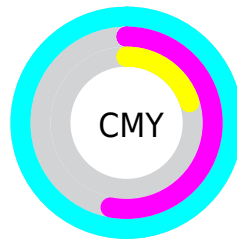
- Red (0%)
- Green (47%)
- Blue (80%)



- Red (0%)
- Yellow (29%)
- Blue (80%)



- Cyan (99%)
- Magenta (41%)
- Yellow (0%)
- Black (20%)





- Cyan (99%)
- Magenta (53%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 51.300, 274.556 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, 51.300, 274.556 by changing the saturation by 10% instead.


 49, 51.300,
274.556


 49, 51.300,
274.556


 100, 51.300,
274.556


 39, 51.300,
274.556

 69, 51.300,
274.556


 29, 51.300,
274.556

 79, 51.300,
274.556

 19, 51.300,
274.556

 89, 51.300,
274.556

 9, 51.300, 274.556

 99, 51.300,
274.556

 0, 51.300, 274.556

 49, 51.300,

 49, 51.300,

274.556

■ 49, 51.627,
274.889

274.556

■ 52, 46.849,
269.664

■ 55, 42.460,
265.044

■ 58, 37.966,
260.946

■ 61, 33.256,
257.427

■ 64, 28.272,
254.469

■ 68, 22.999,
252.016

■ 71, 17.453,
249.995

■ 75, 11.671,
248.337

Harmonies

Complementary

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



49, 51.300, 274.556



51, 74.527, 54.108

Rectangle

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



49, 51.300, 274.556



49, 51.300, 324.556



49, 51.300, 94.556



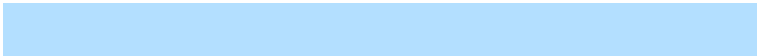
49, 51.300, 144.556

Sweetspot

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



49, 51.299, 274.557



87, 21.445, 250.200



72, 82.537, 144.643



44, 14.523, 251.033



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, 51.299, 274.557



60, 61.934, 275.603



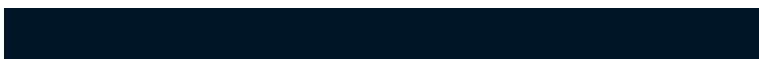
26, 107.474, 304.966



41, 3.486, 247.010



40, 43.814, 274.098



7, 13.629, 262.261

Inverse Universe

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



44, 73.044, 354.332



56, 86.513, 355.044



74, 75.992, 96.001



40, 5.625, 340.081



36, 62.954, 354.021



4, 20.894, 348.195

Previews

White Background



This preview shows how the CIE LCh color 49, 51.300, 274.556 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, 51.300, 274.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

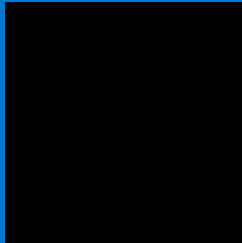
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 51.300, 274.556

Background



This preview shows how black text looks on a background with the CIELCh color 49, 51.300, 274.556.



This preview shows how white text looks on a background with the CIELCh color 49, 51.300, 274.556.

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, 51.289, 274.595

Protanopia
49, 49.496, 286.332

Deuteranopia
49, 51.665, 278.323



Tritanopia
49, 29.242, 207.173

Trichromacy



Original Color
49, 51.289, 274.595

Protanomaly
48, 50.373, 279.860

Deuteranomaly
49, 51.987, 276.946

Tritanomaly
49, 31.807, 241.281

Monochromacy



Original Color
49, 51.289, 274.595

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 22.402, 255.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 51.300, 274.556 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(1, 119, 203)` looks like.

```
.text, #text, p{  
    color:rgb(1, 119, 203)  
}
```

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(1, 119, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 119, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 51.300, 274.556 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(1, 119, 203) }
```

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

```
.border{ border-color:rgb(1, 119, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 119, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 119, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 119, 203);  
box-shadow:4px 4px 4px 4px rgb(1, 119,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 51.300, 274.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 119, 203) }
```

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

```
.background{ background-color: rgb(1, 119,  
203) }
```

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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