

Converting Colors

CIELCh(49, 50.468, 285.503)

Have a look what the booklet for
CIELCh(49, 50.468, 285.503)
contains.

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Color

CIELCh(49, 50.140, 285.278)

Conversions

Conversions Part 1

Format	Color
Hex	4C72C7
RGB	76, 114, 199
RGB Percent	30%, 45%, 78%
CMY	0.7034, 0.5541, 0.2210
CMYK	0.62, 0.43, 0.00, 0.22
HSL	221°, 52%, 54%
HSV	221°, 62%, 78%
XYZ	19.2017, 17.5941, 56.2061
YIQ	112.3280, -49.9330, 18.3790

Conversions

Conversions Part 2

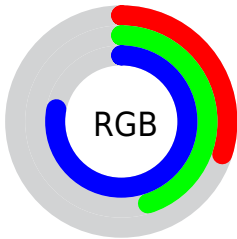
Format	Color
R_{YB}	76, 105, 199
Decimal	5010119
CIE _{Lab}	49.00, 13.21, -48.37
CIE _{LCh}	49, 50.140, 285.278
Yxy	17.5941, 0.2065, 0.1892
Android (android.graphics.Color)	4283200199 (0xFF4C72C7)
YUV	112.3280, 42.7293, -31.8597
Hunter-Lab	41.9453, 8.3095, -50.0861

Details

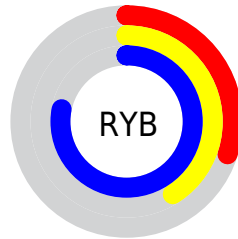
The CIELCh color **49, 50.140, 285.278** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **68, 48.795, 84.758**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 49.700, 285.316**, and **29, 49.512, 286.361** is the 20% darker color. If you saturate the color by 10%, you get **44, 58.974, 288.436**, and if you desaturate by 10%, it is **54, 41.557, 282.466**.

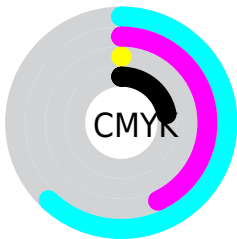
Distribution



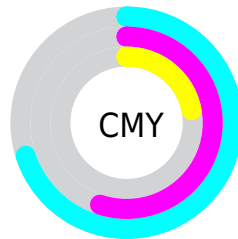
- Red (30%)
- Green (45%)
- Blue (78%)



- Red (30%)
- Yellow (41%)
- Blue (78%)



- Cyan (62%)
- Magenta (43%)
- Yellow (0%)
- Black (22%)



- Cyan (70%)
- Magenta (55%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 50.140, 285.278 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, 50.140, 285.278 by changing the saturation by 10% instead.


 49, 50.140,
285.278


 49, 50.140,
285.278


 100, 50.140,
285.278

 39, 50.140,
285.278

 69, 50.140,
285.278


 29, 50.140,
285.278

 79, 50.140,
285.278

 19, 50.140,
285.278

 89, 50.140,
285.278

 9, 50.140, 285.278

 99, 50.140,
285.278

 0, 50.140, 285.278

 49, 50.140,

 49, 50.140,

285.278

■ 44, 58.974,
288.436

■ 40, 68.047,
291.856

■ 36, 77.233,
295.373

■ 33, 84.537,
298.053

285.278

■ 54, 41.557,
282.466

■ 59, 33.197,
280.016

■ 64, 25.030,
277.909

■ 69, 17.029,
276.107

■ 74, 9.182, 274.572

■ 79, 1.480, 273.371

■ 84, 6.080, 92.038

■ 89, 13.501, 91.065

■ 94, 20.782, 90.203

Harmonies

Complementary

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



49, 50.140, 285.278



68, 48.795, 84.758

Rectangle

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



49, 50.140, 285.278



49, 50.140, 335.278



49, 50.140, 105.278



49, 50.140, 155.278

Sweetspot

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



49, 50.139, 285.279



88, 18.024, 275.675



73, 44.467, 167.673



45, 12.438, 276.149



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, 50.139, 285.279



55, 74.608, 289.495



41, 73.738, 303.829



39, 4.359, 274.221



27, 71.986, 297.548



3, 17.003, 281.992

Inverse Universe

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



50, 52.451, 4.734



59, 74.136, 8.857



76, 62.365, 113.336



39, 4.639, 356.134



34, 62.341, 19.669



4, 16.559, 3.758

Previews

White Background



This preview shows how the CIE LCh color 49, 50.140, 285.278 looks on a white background.

Color Contrast Check

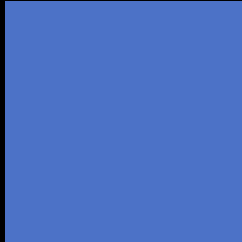
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.140, 285.278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

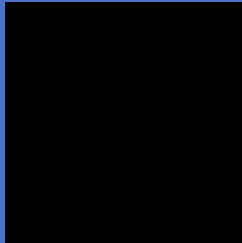
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 50.140, 285.278

Background



This preview shows how black text looks on a background with the CIELCh color 49, 50.140, 285.278.

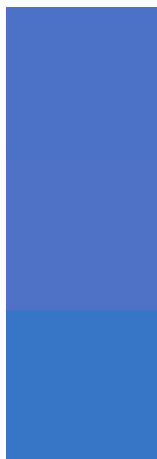


This preview shows how white text looks on a background with the CIELCh color 49, 50.140, 285.278.

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, 50.140, 285.278

Protanopia

49, 50.085, 286.306

Deuteranopia

49, 48.600, 278.941



Tritanopia
49, 24.583, 211.070

Trichromacy



Original Color
49, 50.140, 285.278

Protanomaly
49, 50.114, 286.066

Deuteranomaly
49, 48.909, 280.857

Tritanomaly
49, 27.644, 250.746

Monochromacy



Original Color
49, 50.140, 285.278

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 18.778, 277.508

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 50.140, 285.278 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(76, 114, 199)` looks like.

```
.text, #text, p{  
    color:rgb(76, 114, 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(76, 114, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 114, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 50.140, 285.278 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(76, 114, 199) }
```

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

```
.border{ border-color:rgb(76, 114, 199) }
```

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

Here you see how a box with a 4 pixel rgb(76, 114, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 114, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 114, 199);  
box-shadow:4px 4px 4px 4px rgb(76, 114,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 50.140, 285.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 114, 199) }
```

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

```
.background{ background-color: rgb(76, 114,  
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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