

Converting Colors

CIELCh(49, 48.336, 275.688)

Have a look what the booklet for
CIELCh(49, 48.336, 275.688)
contains.

CIELCh(49, 48.554, 276.037)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 48.554, 276.037)

Conversions

Conversions Part 1

Format	Color
Hex	2976C6
RGB	41, 118, 198
RGB Percent	16%, 46%, 78%
CMY	0.8406, 0.5359, 0.2221
CMYK	0.80, 0.40, 0.00, 0.22
HSL	210°, 66%, 47%
HSV	210°, 80%, 78%
XYZ	17.6538, 17.5941, 56.1186
YIQ	104.0970, -71.5720, 8.5560

Conversions

Conversions Part 2

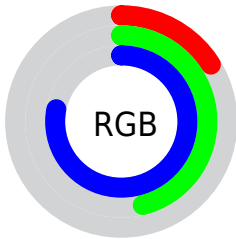
Format	Color
R _Y B	41, 93, 198
Decimal	2717382
CIE Lab	49.00, 5.11, -48.28
CIE LCh	49, 48.554, 276.037
Yxy	17.5941, 0.1932, 0.1926
Android (android.graphics.Color)	4280907462 (0xFF2976C6)
YUV	104.0970, 46.2942, -55.3361
Hunter-Lab	41.9453, 1.7221, -49.9625

Details

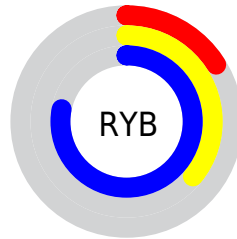
The CIELCh color **49, 48.554, 276.037** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **58, 58.927, 65.686**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 48.270, 275.817**, and **30, 47.548, 284.444** is the 20% darker color. If you saturate the color by 10%, you get **46, 54.515, 280.381**, and if you desaturate by 10%, it is **53, 42.679, 272.067**.

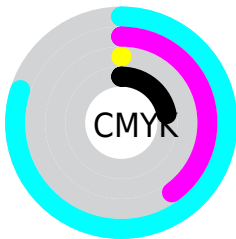
Distribution



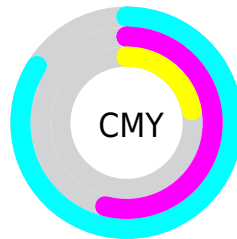
- Red (16%)
- Green (46%)
- Blue (78%)



- Red (16%)
- Yellow (36%)
- Blue (78%)



- Cyan (80%)
- Magenta (40%)
- Yellow (0%)
- Black (22%)



- Cyan (84%)
- Magenta (54%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 48.554, 276.037 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, 48.554, 276.037 by changing the saturation by 10% instead.

■ 49, 48.554,
276.037

■ 49, 48.554,
276.037

■ 100, 48.554,
276.037

■ 39, 48.554,
276.037

■ 69, 48.554,
276.037

■ 29, 48.554,
276.037

■ 79, 48.554,
276.037

■ 19, 48.554,
276.037

■ 89, 48.554,
276.037

■ 9, 48.554, 276.037

■ 99, 48.554,
276.037

■ 0, 48.554, 276.037

■ 49, 48.554,

■ 49, 48.554,

276.037

■ 46, 54.515,
280.381

■ 43, 60.666,
284.825

■ 42, 60.972,
285.027

276.037

■ 53, 42.679,
272.067

■ 56, 36.801,
268.563

■ 60, 30.856,
265.545

■ 64, 24.810,
262.984

■ 68, 18.655,
260.827

■ 72, 12.404,
259.018

■ 76, 6.077, 257.516

■ 80, 0.303, 74.970

Harmonies

Complementary

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



49, 48.554, 276.037



58, 58.927, 65.686

Rectangle

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



49, 48.554, 276.037



49, 48.554, 326.037



49, 48.554, 96.037



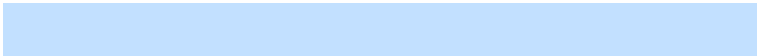
49, 48.554, 146.037

Sweetspot

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



49, 48.553, 276.038



88, 18.655, 259.854



71, 63.895, 153.437



45, 12.789, 260.527



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, 48.553, 276.038



56, 70.947, 283.498



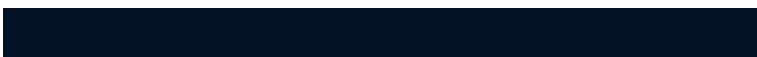
30, 95.833, 303.733



40, 3.630, 257.498



35, 52.003, 284.338



5, 14.139, 270.941

Inverse Universe

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



46, 65.453, 355.600



55, 84.037, 1.502



78, 73.613, 103.423



39, 5.176, 344.791



35, 60.664, 2.260



4, 17.786, 353.435

Previews

White Background



This preview shows how the CIE LCh color 49, 48.554, 276.037 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, 48.554, 276.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

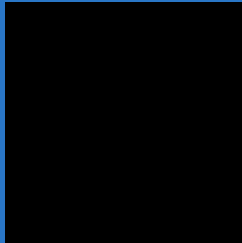
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 48.554, 276.037

Background



This preview shows how black text looks on a background with the CIELCh color 49, 48.554, 276.037.



This preview shows how white text looks on a background with the CIELCh color 49, 48.554, 276.037.

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, 48.524, 276.165

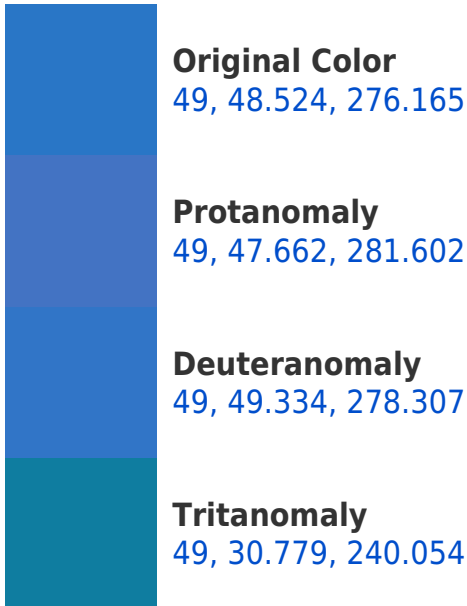
Protanopia
49, 47.195, 285.961

Deuteranopia
49, 49.202, 278.940

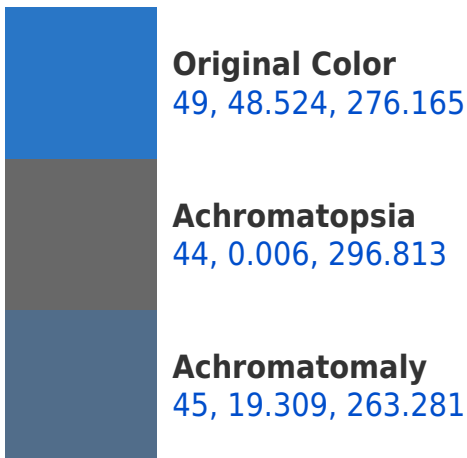


Tritanopia
49, 29.242, 207.173

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 48.554, 276.037 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(41, 118, 198)` looks like.

```
.text, #text, p{  
    color:rgb(41, 118, 198)  
}
```

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(41, 118, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 118, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 48.554, 276.037 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(41, 118, 198) }
```

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

```
.border{ border-color:rgb(41, 118, 198) }
```

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

Here you see how a box with a 4 pixel rgb(41, 118, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 118, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 118, 198);  
box-shadow:4px 4px 4px 4px rgb(41, 118,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 48.554, 276.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 118, 198) }
```

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

```
.background{ background-color: rgb(41, 118,  
198) }
```

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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