

Converting Colors

CIELCh(49, 58.581, 279.960)

Have a look what the booklet for
CIELCh(49, 58.581, 279.960)
contains.

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Color

CIELCh(49, 58.588, 279.928)

Conversions

Conversions Part 1

Format	Color
Hex	0075D7
RGB	0, 117, 215
RGB Percent	0%, 46%, 84%
CMY	0.9987, 0.5417, 0.1574
CMYK	1.00, 0.46, 0.00, 0.16
HSL	207°, 100%, 42%
HSV	207°, 100%, 84%
XYZ	18.5973, 17.5941, 66.6081
YIQ	93.1890, -101.1900, 5.6740

Conversions

Conversions Part 2

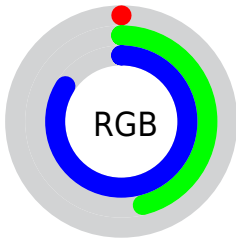
Format	Color
RYB	0, 76, 215
Decimal	30167
CIELab	49.00, 10.10, -57.71
CIElCh	49, 58.588, 279.928
Yxy	17.5941, 0.1809, 0.1711
Android (android.graphics.Color)	4278220247 (0xFF0075D7)
YUV	93.1890, 60.0528, -81.7268
Hunter-Lab	41.9453, 5.7376, -64.7894

Details

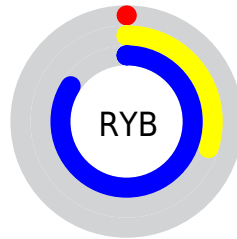
The CIELCh color **49, 58.588, 279.928** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **55, 76.491, 56.796**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 49.668, 275.207**, and **32, 56.329, 288.878** is the 20% darker color. If you saturate the color by 10%, you get **49, 58.677, 280.000**, and if you desaturate by 10%, it is **52, 53.067, 275.187**.

Distribution



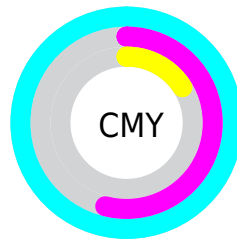
- Red (0%)
- Green (46%)
- Blue (84%)



- Red (0%)
- Yellow (30%)
- Blue (84%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (54%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 58.588, 279.928 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, 58.588, 279.928 by changing the saturation by 10% instead.

■ 49, 58.588,
279.928

■ 49, 58.588,
279.928

■ 100, 58.588,
279.928

■ 39, 58.588,
279.928

■ 69, 58.588,
279.928

■ 29, 58.588,
279.928

■ 79, 58.588,
279.928

■ 19, 58.588,
279.928

■ 89, 58.588,
279.928

■ 9, 58.588, 279.928

■ 99, 58.588,
279.928

■ 0, 58.588, 279.928

■ 49, 58.588,

■ 49, 58.588,

279.928

■ 49, 58.677,
280.000

279.928

■ 52, 53.067,
275.187

■ 55, 47.697,
270.612

■ 59, 42.326,
266.482

■ 62, 36.840,
262.883

■ 66, 31.167,
259.819

■ 70, 25.279,
257.250

■ 74, 19.180,
255.111

■ 78, 12.895,
253.337

Harmonies

Complementary

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



49, 58.588, 279.928



55, 76.491, 56.796

Rectangle

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



49, 58.588, 279.928



49, 58.588, 329.928



49, 58.588, 99.928



49, 58.588, 149.928

Sweetspot

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



49, 58.588, 279.930



86, 22.143, 255.198



76, 82.593, 146.558



44, 15.027, 256.068



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, 58.588, 279.930



58, 67.390, 280.501



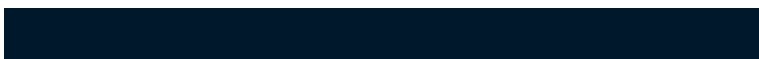
27, 115.405, 305.777



43, 3.715, 251.828



39, 48.743, 279.185



7, 16.132, 268.293

Inverse Universe

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



47, 75.090, 358.317



55, 85.365, 358.788



81, 82.049, 99.559



42, 5.694, 342.104



37, 63.442, 357.714



5, 24.011, 351.304

Previews

White Background



This preview shows how the CIE LCh color 49, 58.588, 279.928 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, 58.588, 279.928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

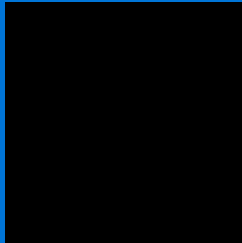
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

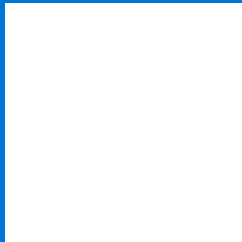
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 58.588, 279.928

Background



This preview shows how black text looks on a background with the CIELCh color 49, 58.588, 279.928.




This preview shows how white text looks on a background with the CIELCh color 49, 58.588, 279.928.

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





Tritanopia
49, 29.306, 205.943

Trichromacy



Original Color
49, 58.596, 279.897

Protanomaly
49, 58.159, 283.132

Deuteranomaly
49, 55.426, 277.741

Tritanomaly
49, 32.696, 244.241

Monochromacy



Original Color
49, 58.596, 279.897

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 24.237, 260.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 58.588, 279.928 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(0, 117, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 215)  
}
```

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(0, 117, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 58.588, 279.928 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(0, 117, 215) }
```

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

```
.border{ border-color:rgb(0, 117, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 117,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 58.588, 279.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 215) }
```

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

```
.background{ background-color: rgb(0, 117,  
215) }
```

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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