

Converting Colors

CIELCh(49, 57.761, 273.467)

Have a look what the booklet for
CIELCh(49, 57.761, 273.467)
contains.

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Color

CIELCh(50, 56.930, 278.270)

Conversions

Conversions Part 1

Format	Color
Hex	0178D7
RGB	1, 120, 215
RGB Percent	0%, 47%, 84%
CMY	0.9946, 0.5285, 0.1558
CMYK	0.99, 0.44, 0.00, 0.16
HSL	207°, 99%, 42%
HSV	207°, 99%, 84%
XYZ	19.0620, 18.4187, 67.0226
YIQ	95.2490, -101.4190, 4.3170

Conversions

Conversions Part 2

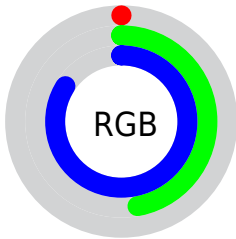
Format	Color
RYB	1, 77, 215
Decimal	96471
CIELab	50.00, 8.19, -56.34
CIElCh	50, 56.930, 278.270
Yxy	18.4187, 0.1824, 0.1762
Android (android.graphics.Color)	4278286551 (0xFF0178D7)
YUV	95.2490, 59.0372, -82.6564
Hunter-Lab	42.9170, 4.1781, -62.5502

Details

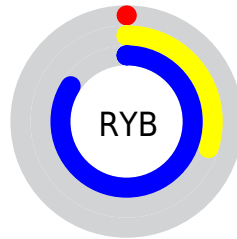
The CIELCh color **50, 56.930, 278.270** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **55, 76.811, 55.967**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 47.797, 272.681**, and **32, 54.343, 287.297** is the 20% darker color. If you saturate the color by 10%, you get **50, 57.277, 278.565**, and if you desaturate by 10%, it is **53, 51.675, 273.459**.

Distribution



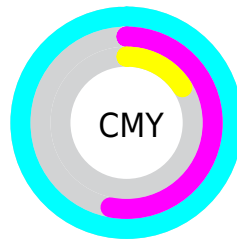
- Red (0%)
- Green (47%)
- Blue (84%)



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



- Cyan (99%)
- Magenta (44%)
- Yellow (0%)
- Black (16%)





- Cyan (99%)
- Magenta (53%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 56.930, 278.270 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 50, 56.930, 278.270 by changing the saturation by 10% instead.


 50, 56.930,
278.270


 50, 56.930,
278.270


 100, 56.930,
278.270


 40, 56.930,
278.270


 70, 56.930,
278.270

 30, 56.930,
278.270


 80, 56.930,
278.270


 20, 56.930,
278.270

 90, 56.930,
278.270

 10, 56.930,
278.270

 0, 56.930, 278.270

 50, 56.930,
278.270

 50, 56.930,
278.270

■ 50, 57.277,
278.565

■ 53, 51.675,
273.459

■ 56, 46.542,
268.865

■ 59, 41.373,
264.744

■ 63, 36.052,
261.172

■ 67, 30.513,
258.144

■ 70, 24.730,
255.614

■ 74, 18.714,
253.515

■ 78, 12.493,
251.780

■ 82, 6.104, 250.365

Harmonies

Complementary

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



50, 56.930, 278.270



55, 76.811, 55.967

Rectangle

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



50, 56.930, 278.270



50, 56.930, 328.270



50, 56.930, 98.270



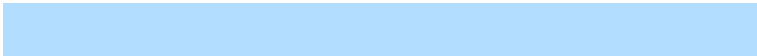
50, 56.930, 148.270

Sweetspot

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



50, 56.930, 278.272



86, 21.911, 253.694



76, 83.788, 145.926



44, 14.860, 254.554



0, 0.000, 0.000



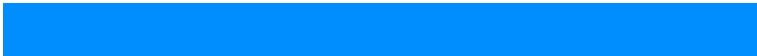
53, 0.007, 296.813

Same Dimension

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



50, 56.930, 278.272



58, 65.666, 279.067



28, 114.521, 305.541



43, 3.686, 250.373



40, 47.524, 277.732



8, 15.834, 266.786

Inverse Universe

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



47, 75.443, 357.004



55, 85.672, 357.621



80, 81.126, 98.413



42, 5.743, 341.471



37, 63.690, 356.588



5, 24.167, 350.436

Previews

White Background



This preview shows how the CIE LCh color 50, 56.930, 278.270 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 CIELCh color 50, 56.930, 278.270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

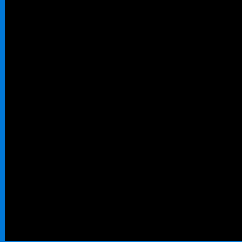
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 56.930, 278.270

Background



This preview shows how black text looks on a background with the CIELCh color 50, 56.930, 278.270.



This preview shows how white text looks on a background with the CIELCh color 50, 56.930, 278.270.

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

50, 56.922, 278.303

Protanopia

50, 55.705, 286.741

Deuteranopia

50, 55.868, 277.375



Tritanopia
50, 29.743, 206.945

Trichromacy



Original Color
50, 56.922, 278.303

Protanomaly
50, 56.312, 282.156

Deuteranomaly
50, 55.860, 277.408

Tritanomaly
50, 32.976, 243.463

Monochromacy



Original Color
50, 56.922, 278.303

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 23.723, 259.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 56.930, 278.270 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, 120, 215)` looks like.

```
.text, #text, p{  
    color:rgb(1, 120, 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(1, 120, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 120, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 56.930, 278.270 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, 120, 215) }
```

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

```
.border{ border-color:rgb(1, 120, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 120, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 120, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 120, 215);  
box-shadow:4px 4px 4px 4px rgb(1, 120,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 56.930, 278.270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 120, 215) }
```

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

```
.background{ background-color: rgb(1, 120,  
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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