

Converting Colors

CIELCh(50, 50.569, 274.162)

Have a look what the booklet for
CIELCh(50, 50.569, 274.162)
contains.

CIELCh(50, 50.559, 274.162)	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(50, 50.559, 274.162)

Conversions

Conversions Part 1

Format	Color
Hex	127ACD
RGB	18, 122, 205
RGB Percent	7%, 48%, 80%
CMY	0.9308, 0.5220, 0.1966
CMYK	0.91, 0.41, 0.00, 0.20
HSL	207°, 84%, 44%
HSV	207°, 91%, 80%
XYZ	18.1926, 18.4187, 60.2752
YIQ	100.3660, -88.6270, 3.7650

Conversions

Conversions Part 2

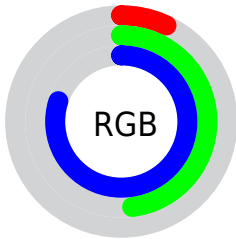
Format	Color
R_{YB}	18, 85, 205
Decimal	1211085
CIE _{Lab}	50.00, 3.67, -50.43
CIE _{LCh}	50, 50.559, 274.162
Yxy	18.4187, 0.1878, 0.1901
Android (android.graphics.Color)	4279401165 (0xFF127ACD)
YUV	100.3660, 51.5846, -72.2350
Hunter-Lab	42.9170, 0.5618, -53.2286

Details

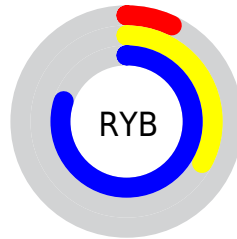
The CIELCh color **50, 50.559, 274.162** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **54, 69.617, 57.895**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 46.834, 271.580**, and **32, 48.469, 283.924** is the 20% darker color. If you saturate the color by 10%, you get **48, 54.908, 278.271**, and if you desaturate by 10%, it is **53, 45.641, 269.513**.

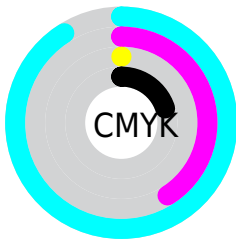
Distribution



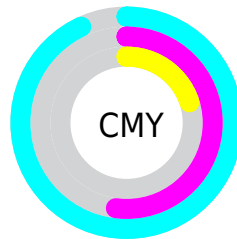
- Red (7%)
- Green (48%)
- Blue (80%)



- Red (7%)
- Yellow (33%)
- Blue (80%)



- Cyan (91%)
- Magenta (41%)
- Yellow (0%)
- Black (20%)





- Cyan (93%)
- Magenta (52%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 50.559, 274.162 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, 50.559, 274.162 by changing the saturation by 10% instead.


 50, 50.559,
274.162


 50, 50.559,
274.162


 100, 50.559,
274.162


 40, 50.559,
274.162


 70, 50.559,
274.162

 30, 50.559,
274.162


 80, 50.559,
274.162


 20, 50.559,
274.162

 90, 50.559,
274.162

 10, 50.559,
274.162

 0, 50.559, 274.162

 50, 50.559,
274.162

 50, 50.559,
274.162

■ 48, 54.908,
278.271

■ 53, 45.641,
269.513

■ 56, 40.709,
265.311

■ 60, 35.647,
261.648

■ 63, 30.381,
258.532

■ 67, 24.882,
255.923

■ 70, 19.153,
253.755

■ 74, 13.220,
251.962

■ 78, 7.117, 250.491

■ 82, 0.883, 249.657

Harmonies

Complementary

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



50, 50.559, 274.162



54, 69.617, 57.895

Rectangle

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



50, 50.559, 274.162



50, 50.559, 324.162



50, 50.559, 94.162



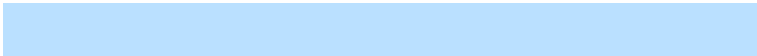
50, 50.559, 144.162

Sweetspot

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



50, 50.558, 274.163



88, 19.782, 252.988



73, 76.643, 147.736



45, 13.268, 253.640



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, 50.558, 274.163



59, 65.514, 278.937



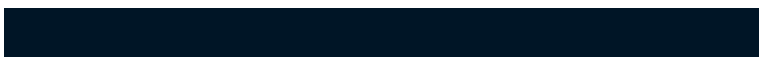
28, 104.655, 304.399



41, 3.539, 250.235



39, 46.271, 277.476



6, 14.099, 265.466

Inverse Universe

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



45, 72.052, 354.120



55, 85.702, 357.517



77, 76.645, 98.875



40, 5.521, 341.410



36, 62.326, 356.396



4, 20.550, 349.930

Previews

White Background



This preview shows how the CIE LCh color 50, 50.559, 274.162 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 50.559, 274.162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

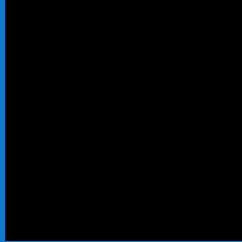
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 50.559, 274.162

Background



This preview shows how black text looks on a background with the CIELCh color 50, 50.559, 274.162.

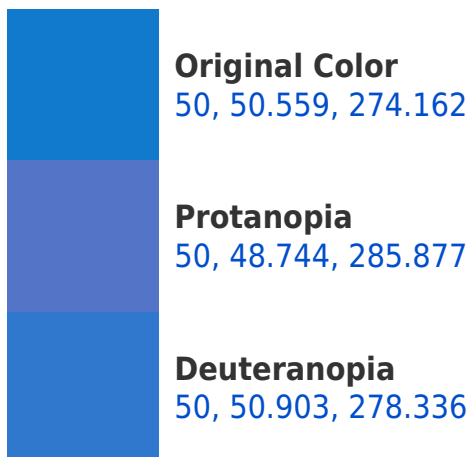


This preview shows how white text looks on a background with the CIELCh color 50, 50.559, 274.162.

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
50, 29.743, 206.945

Trichromacy



Original Color
50, 50.559, 274.162

Protanomaly
50, 49.514, 280.002

Deuteranomaly
50, 50.681, 276.359

Tritanomaly
50, 31.718, 239.714

Monochromacy



Original Color
50, 50.559, 274.162

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 21.192, 257.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 50.559, 274.162 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(18, 122, 205)` looks like.

```
.text, #text, p{  
    color:rgb(18, 122, 205)  
}
```

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(18, 122, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 122, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 50.559, 274.162 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(18, 122, 205) }
```

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

```
.border{ border-color:rgb(18, 122, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 122, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 122, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 122, 205);  
box-shadow:4px 4px 4px 4px rgb(18, 122,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 50.559, 274.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 122, 205) }
```

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

```
.background{ background-color: rgb(18, 122,  
205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor