

Converting Colors

CIELCh(50, 50.545, 273.348)

Have a look what the booklet for
CIELCh(50, 50.545, 273.348)
contains.

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Color

CIELCh(50, 50.727, 273.553)

Conversions

Conversions Part 1

Format	Color
Hex	057ACD
RGB	5, 122, 205
RGB Percent	2%, 48%, 80%
CMY	0.9801, 0.5208, 0.1952
CMYK	0.98, 0.40, 0.00, 0.20
HSL	205°, 95%, 41%
HSV	205°, 98%, 80%
XYZ	18.0932, 18.4187, 60.4999
YIQ	96.4790, -96.3750, 1.0090

Conversions

Conversions Part 2

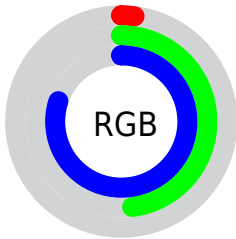
Format	Color
RYB	5, 79, 205
Decimal	359117
CIELab	50.00, 3.14, -50.63
CIElCh	50, 50.727, 273.553
Yxy	18.4187, 0.1865, 0.1899
Android (android.graphics.Color)	4278549197 (0xFF057ACD)
YUV	96.4790, 53.5009, -80.2271
Hunter-Lab	42.9170, 0.1483, -53.5391

Details

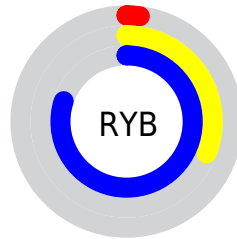
The CIELCh color **50, 50.727, 273.553** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **52, 74.095, 54.337**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 47.025, 270.906**, and **32, 48.469, 283.924** is the 20% darker color. If you saturate the color by 10%, you get **49, 51.861, 274.731**, and if you desaturate by 10%, it is **53, 46.303, 268.643**.

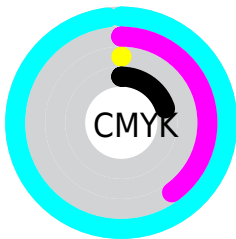
Distribution



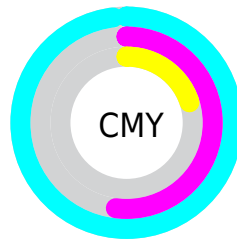
- Red (2%)
- Green (48%)
- Blue (80%)



- Red (2%)
- Yellow (31%)
- Blue (80%)



- Cyan (98%)
- Magenta (40%)
- Yellow (0%)
- Black (20%)





- Cyan (98%)
- Magenta (52%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 50.727, 273.553 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, 50.727, 273.553 by changing the saturation by 10% instead.


 50, 50.727,
273.553


 50, 50.727,
273.553


 100, 50.727,
273.553


 40, 50.727,
273.553


 70, 50.727,
273.553

 30, 50.727,
273.553


 80, 50.727,
273.553


 20, 50.727,
273.553

 90, 50.727,
273.553

 10, 50.727,
273.553

 0, 50.727, 273.553

 50, 50.727,
273.553

 50, 50.727,
273.553

49, 51.861,
274.731

53, 46.303,
268.643

56, 41.898,
264.100

59, 37.361,
260.099

62, 32.589,
256.680

65, 27.530,
253.816

69, 22.179,
251.446

72, 16.556,
249.496

76, 10.700,
247.899

80, 4.654, 246.621

Harmonies

Complementary

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



50, 50.727, 273.553



52, 74.095, 54.337

Rectangle

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



50, 50.727, 273.553



50, 50.727, 323.553



50, 50.727, 93.553



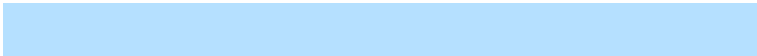
50, 50.727, 143.553

Sweetspot

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



50, 50.726, 273.554



87, 20.744, 249.827



73, 82.263, 144.994



45, 14.128, 250.652



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, 50.726, 273.554



61, 61.747, 275.413



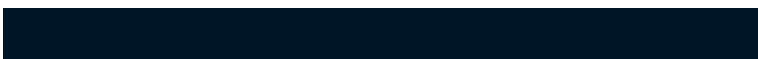
27, 107.045, 304.724



41, 3.484, 246.832



40, 43.685, 273.907



7, 13.604, 262.077

Inverse Universe

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



45, 73.483, 353.679



56, 86.562, 354.912



75, 76.225, 96.133



40, 5.631, 340.010



36, 62.991, 353.895



4, 20.913, 348.101

Previews

White Background



This preview shows how the CIE LCh color 50, 50.727, 273.553 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, 50.727, 273.553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

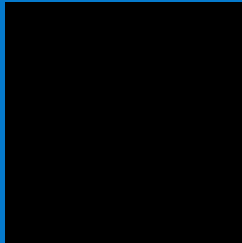
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 50.727, 273.553

Background



This preview shows how black text looks on a background with the CIELCh color 50, 50.727, 273.553.



This preview shows how white text looks on a background with the CIELCh color 50, 50.727, 273.553.

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, 50.716, 273.591

Protanopia

50, 48.744, 285.877

Deuteranopia

50, 51.431, 278.669



Tritanopia
50, 29.743, 206.945

Trichromacy



Original Color
50, 50.716, 273.591

Protanomaly
49, 49.651, 279.309

Deuteranomaly
50, 51.319, 276.228

Tritanomaly
50, 31.850, 239.490

Monochromacy



Original Color
50, 50.716, 273.591

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 21.789, 255.071

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 50.727, 273.553 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(5, 122, 205)` looks like.

```
.text, #text, p{  
    color:rgb(5, 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(5, 122, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 122, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 50.727, 273.553 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(5, 122, 205) }
```

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

```
.border{ border-color:rgb(5, 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(5, 122, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 122, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 122, 205);  
box-shadow:4px 4px 4px 4px rgb(5, 122,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 50.727, 273.553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 122, 205) }
```

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

```
.background{ background-color: rgb(5, 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](#).

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