

Converting Colors

CIELCh(57, 51.291, 268.688)

Have a look what the booklet for
CIELCh(57, 51.291, 268.688)
contains.

CIELCh(57, 51.321, 268.975)	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(57, 51.321, 268.975)

Conversions

Conversions Part 1

Format	Color
Hex	018EE2
RGB	1, 142, 226
RGB Percent	0%, 56%, 89%
CMY	0.9947, 0.4423, 0.1128
CMYK	0.99, 0.37, 0.00, 0.11
HSL	202°, 99%, 45%
HSV	202°, 99%, 89%
XYZ	23.4815, 24.9227, 75.6966
YIQ	109.4170, -111.0000, -3.7680

Conversions

Conversions Part 2

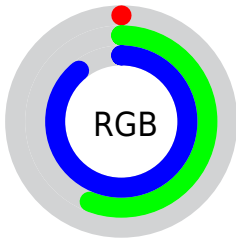
Format	Color
R _Y B	1, 88, 226
Decimal	102114
CIE Lab	57.00, -0.92, -51.31
CIE LCh	57, 51.321, 268.975
Yxy	24.9227, 0.1892, 0.2008
Android (android.graphics.Color)	4278292194 (0xFF018EE2)
YUV	109.4170, 57.4754, -95.0817
Hunter-Lab	49.9226, -3.4056, -54.9543

Details

The CIELCh color **57, 51.321, 268.975** 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 **55, 82.944, 51.054**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 38.910, 255.307**, and **39, 48.753, 279.403** is the 20% darker color. If you saturate the color by 10%, you get **57, 51.562, 269.268**, and if you desaturate by 10%, it is **60, 47.383, 263.901**.

Distribution



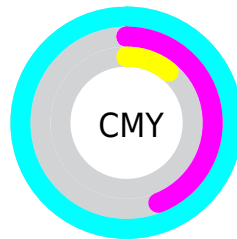
- Red (0%)
- Green (56%)
- Blue (89%)



- Red (0%)
- Yellow (35%)
- Blue (89%)



- Cyan (99%)
- Magenta (37%)
- Yellow (0%)
- Black (11%)





- Cyan (99%)
- Magenta (44%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 51.321, 268.975 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 57, 51.321, 268.975 by changing the saturation by 10% instead.


 57, 51.321,
268.975


 57, 51.321,
268.975


 100, 51.321,
268.975


 47, 51.321,
268.975


 77, 51.321,
268.975

 37, 51.321,
268.975

 87, 51.321,
268.975

 27, 51.321,
268.975

 97, 51.321,
268.975

 17, 51.321,
268.975

 7, 51.321, 268.975

 0, 51.321, 268.975

■ 57, 51.321,
268.975

■ 57, 51.321,
268.975

■ 57, 51.562,
269.268

■ 60, 47.383,
263.901

■ 62, 43.422,
259.201

■ 65, 39.232,
255.097

■ 69, 34.690,
251.627

■ 72, 29.736,
248.754

■ 75, 24.368,
246.404

■ 79, 18.616,
244.497

■ 83, 12.535,

242.955

■ 86, 6.180, 241.733

Harmonies

Complementary

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



57, 51.321, 268.975



55, 82.944, 51.054

Rectangle

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



57, 51.321, 268.975



57, 51.321, 318.975



57, 51.321, 88.975



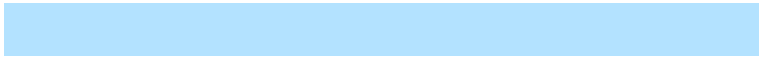
57, 51.321, 138.975

Sweetspot

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



57, 51.320, 268.976



88, 20.891, 244.633



79, 92.385, 143.197



45, 14.116, 245.407



0, 0.000, 0.000



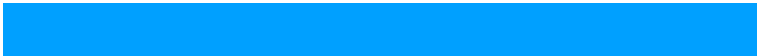
53, 0.007, 296.813

Same Dimension

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



57, 51.320, 268.976



64, 56.724, 269.638



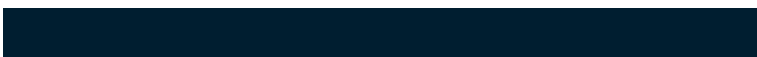
31, 114.322, 304.432



45, 3.706, 241.736



45, 42.212, 268.338



10, 15.521, 258.273

Inverse Universe

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



50, 80.621, 350.908



56, 88.167, 351.280



80, 80.651, 93.342



44, 6.271, 338.082



38, 67.036, 350.553



7, 28.102, 345.865

Previews

White Background



This preview shows how the CIELCh color 57, 51.321, 268.975 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 CIE LCh color 57, 51.321, 268.975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

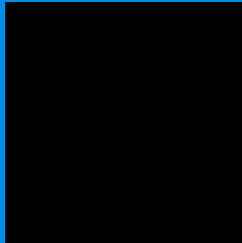
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

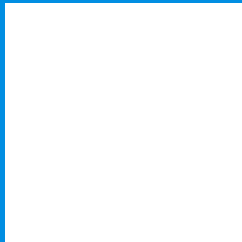
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 51.321, 268.975

Background



This preview shows how black text looks on a background with the CIELCh color 57, 51.321, 268.975.



This preview shows how white text looks on a background with the CIELCh color 57, 51.321, 268.975.

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



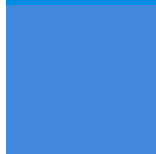


Tritanopia
57, 32.756, 207.831

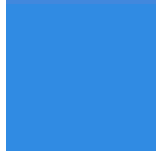
Trichromacy



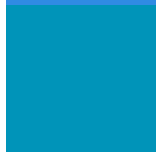
Original Color
57, 51.310, 269.006



Protanomaly
56, 50.125, 276.656



Deuteranomaly
57, 52.292, 274.336



Tritanomaly
57, 34.524, 235.570

Monochromacy



Original Color
57, 51.310, 269.006



Achromatopsia
46, 0.006, 296.813



Achromatomaly
49, 23.134, 248.461

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 51.321, 268.975 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, 142, 226)` looks like.

```
.text, #text, p{  
    color:rgb(1, 142, 226)  
}
```

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, 142, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 142, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 51.321, 268.975 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, 142, 226) }
```

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

```
.border{ border-color:rgb(1, 142, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 142, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 142, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 142, 226);  
box-shadow:4px 4px 4px 4px rgb(1, 142,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 51.321, 268.975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 142, 226) }
```

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

```
.background{ background-color: rgb(1, 142,  
226) }
```

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