

Converting Colors

CIELCh(68, 54.000, 292.521)

Have a look what the booklet for
CIELCh(68, 54.000, 292.521)
contains.

CIELCh(68, 53.376, 292.297)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 53.376, 292.297)

Conversions

Conversions Part 1

Format	Color
Hex	949EFF
RGB	148, 158, 255
RGB Percent	58%, 62%, 100%
CMY	0.4196, 0.3804, 0.0000
CMYK	0.42, 0.38, 0.00, 0.00
HSL	234°, 100%, 79%
HSV	234°, 42%, 100%
XYZ	42.4923, 37.9720, 99.7017
YIQ	166.0680, -37.0970, 28.0470

Conversions

Conversions Part 2

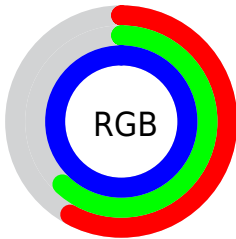
Format	Color
RYB	148, 157, 255
Decimal	9740031
CIELab	68.00, 20.25, -49.39
CIELCh	68, 53.376, 292.297
Yxy	37.9720, 0.2359, 0.2108
Android (android.graphics.Color)	4287930111 (0xFF949EFF)
YUV	166.0680, 43.8435, -15.8456
Hunter-Lab	61.6215, 15.2507, -52.7945

Details

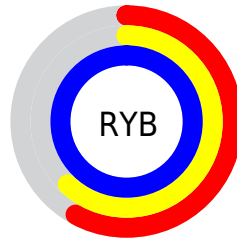
The CIELCh color **68, 53.376, 292.297** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **95, 48.784, 101.630**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 22.638, 287.068**, and **48, 53.473, 292.244** is the 20% darker color. If you saturate the color by 10%, you get **61, 67.440, 294.446**, and if you desaturate by 10%, it is **76, 39.848, 290.433**.

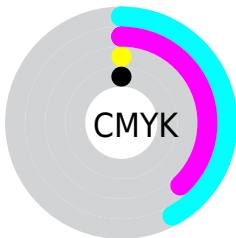
Distribution



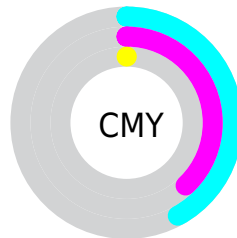
- Red (58%)
- Green (62%)
- Blue (100%)



- Red (58%)
- Yellow (62%)
- Blue (100%)



- Cyan (42%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 53.376, 292.297 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 68, 53.376, 292.297 by changing the saturation by 10% instead.

■ 68, 53.376,
292.297

■ 68, 53.376,
292.297

■ 100, 53.376,
292.297

■ 58, 53.376,
292.297

■ 88, 53.376,
292.297

■ 48, 53.376,
292.297

■ 98, 53.376,
292.297

■ 38, 53.376,
292.297

■ 28, 53.376,
292.297

■ 18, 53.376,
292.297

■ 8, 53.376, 292.297

■ 0, 53.376, 292.297

68, 53.376,
292.297

68, 53.376,
292.297

61, 67.440,
294.446

76, 39.848,
290.433

53, 81.976,
296.855

83, 26.857,
288.840

47, 96.669,
299.426

91, 14.360,
287.488

41, 110.717,
301.949

99, 2.317, 286.379

36, 122.614,
304.114

100, 0.012,
296.813

34, 129.384,
305.355

Harmonies

Complementary

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



68, 53.376, 292.297



95, 48.784, 101.630

Rectangle

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



68, 53.376, 292.297



68, 53.376, 342.297



68, 53.376, 112.297



68, 53.376, 162.297

Sweetspot

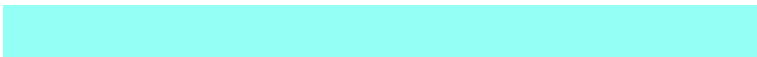
The Sweet Spot groups the original color and five complimentary colors.



68, 53.372, 292.297



90, 15.642, 287.619



94, 33.727, 187.824



46, 10.989, 287.903



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 53.372, 292.297



62, 64.646, 294.003



69, 60.242, 308.036



49, 6.799, 287.190



24, 103.296, 305.108



4, 41.157, 300.089

Inverse Universe

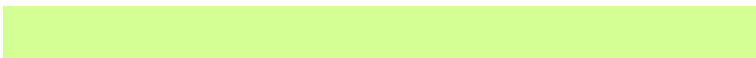
The Inverse Universe completely reimagines the original color for something new.



73, 43.027, 16.745



68, 52.159, 18.418



95, 55.796, 123.366



50, 5.284, 12.406



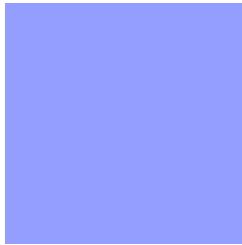
40, 80.286, 36.281



10, 32.647, 23.388

Previews

White Background



This preview shows how the CIELCh color 68, 53.376, 292.297 looks on a white background.

Color Contrast Check

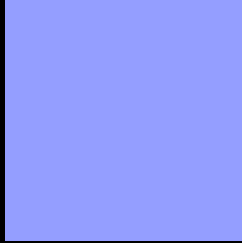
Large Text (above 18pt) WCAG AA × Fail

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 68, 53.376, 292.297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

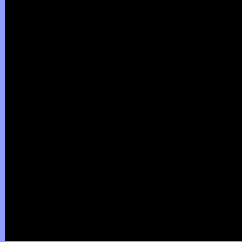
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 53.376, 292.297

Background



This preview shows how black text looks on a background with the CIELCh color 68, 53.376, 292.297.



This preview shows how white text looks on a background with the CIELCh color 68, 53.376, 292.297.

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

68, 53.376, 292.297

Protanopia

68, 51.444, 285.972

Deuteranopia

68, 49.157, 281.277



Tritanopia
68, 15.905, 227.612

Trichromacy



Original Color
68, 53.376, 292.297

Protanomaly
68, 51.833, 288.120

Deuteranomaly
68, 50.945, 285.522

Tritanomaly
68, 25.690, 270.745

Monochromacy



Original Color
68, 53.376, 292.297

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 19.329, 288.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 53.376, 292.297 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(148, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 158, 255)  
}
```

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(148, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 158, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 53.376, 292.297 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(148, 158, 255) }
```

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

```
.border{ border-color:rgb(148, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 158,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 53.376, 292.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 158, 255) }
```

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

```
.background{ background-color: rgb(148,  
158, 255) }
```

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