

Converting Colors

CIELCh(68, 53.713, 304.888)

Have a look what the booklet for
CIELCh(68, 53.713, 304.888)
contains.

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Color

CIELCh(68, 53.786, 304.700)

Conversions

Conversions Part 1

Format	Color
Hex	B396F6
RGB	179, 150, 246
RGB Percent	70%, 59%, 96%
CMY	0.2987, 0.4123, 0.0359
CMYK	0.27, 0.39, 0.00, 0.04
HSL	258°, 84%, 78%
HSV	258°, 39%, 96%
XYZ	46.0439, 37.9720, 91.9565
YIQ	169.6150, -13.5320, 36.0040

Conversions

Conversions Part 2

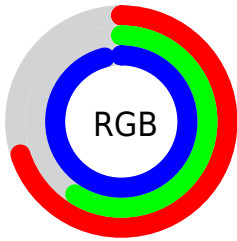
Format	Color
R_{YB}	179, 150, 246
Decimal	11769590
CIE _{Lab}	68.00, 30.62, -44.22
CIE _{LCh}	68, 53.786, 304.700
Yxy	37.9720, 0.2617, 0.2158
Android (android.graphics.Color)	4289959670 (0xFFB396F6)
YUV	169.6150, 37.6578, 8.2306
Hunter-Lab	61.6215, 25.5387, -45.3423

Details

The CIELCh color `68, 53.786, 304.700` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `93, 49.530, 119.612`, and the grayscale version is `69, 0.009, 296.813`.

A 20% lighter version of the original color is `86, 29.041, 314.251`, and `48, 53.526, 304.685` is the 20% darker color. If you saturate the color by 10%, you get `61, 68.510, 305.611`, and if you desaturate by 10%, it is `75, 39.360, 303.854`.

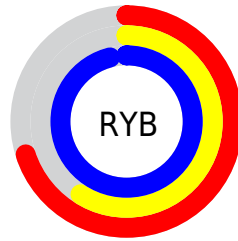
Distribution



Red (70%)

Green (59%)

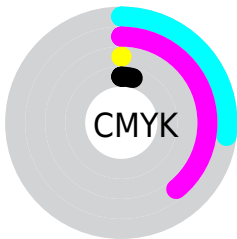
Blue (96%)



Red (70%)

Yellow (59%)

Blue (96%)

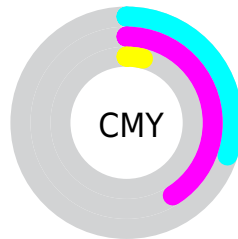


Cyan (27%)

Magenta (39%)

Yellow (0%)

Black (4%)



Cyan (30%)


Magenta (41%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 53.786, 304.700 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, 53.786, 304.700 by changing the saturation by 10% instead.


 68, 53.786,
304.700


 68, 53.786,
304.700


 100, 53.786,
304.700


 58, 53.786,
304.700


 88, 53.786,
304.700

 48, 53.786,
304.700

 98, 53.786,
304.700

 38, 53.786,
304.700

 28, 53.786,
304.700

 18, 53.786,
304.700

 8, 53.786, 304.700

 0, 53.786, 304.700

68, 53.786,
304.700

68, 53.786,
304.700

61, 68.510,
305.611

75, 39.360,
303.854

54, 83.256,
306.543

83, 25.361,
303.090

47, 97.471,
307.416

90, 11.834,
302.412

42, 110.194,
308.096

98, 1.216, 121.872

37, 120.063,
308.400

100, 4.637,
109.815

34, 126.047,
308.214

34, 126.527,
308.194

Harmonies

Complementary

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



68, 53.786, 304.700



93, 49.530, 119.612

Rectangle

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



68, 53.786, 304.700



68, 53.786, 354.700



68, 53.786, 124.700



68, 53.786, 174.700

Sweetspot

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



68, 53.785, 304.700



91, 16.259, 302.606



83, 25.048, 235.979



47, 10.809, 302.693



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, 53.785, 304.700



64, 67.467, 305.429



73, 57.526, 320.533



47, 7.417, 302.440



25, 102.479, 308.348



4, 40.851, 306.729

Inverse Universe

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



74, 48.967, 337.325



72, 60.049, 338.050



90, 56.562, 136.618



48, 7.088, 334.989



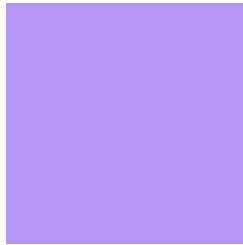
41, 72.767, 345.047



10, 33.218, 342.193

Previews

White Background



This preview shows how the CIELCh color 68, 53.786, 304.700 looks on a white background.

Color Contrast Check

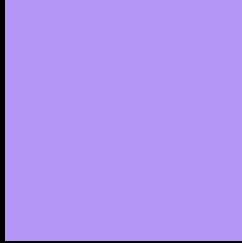
Large Text (above 18pt) WCAG AA × Fail

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, 53.786, 304.700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

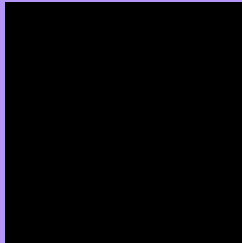
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 53.786, 304.700

Background



This preview shows how black text looks on a background with the CIELCh color 68, 53.786, 304.700.




This preview shows how white text looks on a background with the CIELCh color 68, 53.786, 304.700.

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
68, 7.221, 296.763

Trichromacy



Original Color
68, 53.786, 304.700

Protanomaly
68, 51.746, 292.339

Deuteranomaly
68, 46.825, 291.506

Tritanomaly
68, 24.195, 302.430

Monochromacy



Original Color
68, 53.786, 304.700

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 19.743, 303.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 53.786, 304.700 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(179, 150, 246)` looks like.

```
.text, #text, p{  
    color:rgb(179, 150, 246)  
}
```

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(179, 150, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 150, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 53.786, 304.700 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(179, 150, 246) }
```

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

```
.border{ border-color:rgb(179, 150, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 150, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 150, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 150, 246);  
box-shadow:4px 4px 4px 4px rgb(179, 150,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 53.786, 304.700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 150, 246) }
```

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

```
.background{ background-color: rgb(179,  
150, 246) }
```

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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