

Converting Colors

CIELCh(68, 53.491, 295.958)

Have a look what the booklet for
CIELCh(68, 53.491, 295.958)
contains.

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Color

CIELCh(68, 53.434, 295.933)

Conversions

Conversions Part 1

Format	Color
Hex	9E9CFD
RGB	158, 156, 253
RGB Percent	62%, 61%, 99%
CMY	0.3817, 0.3895, 0.0092
CMYK	0.38, 0.38, 0.00, 0.01
HSL	241°, 95%, 80%
HSV	241°, 38%, 99%
XYZ	43.5399, 37.9720, 97.6650
YIQ	167.6560, -29.9450, 30.5910

Conversions

Conversions Part 2

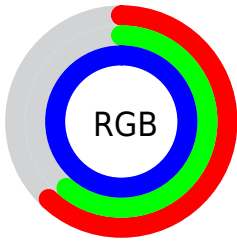
Format	Color
RYB	158, 156, 253
Decimal	10394877
CIELab	68.00, 23.37, -48.05
CIELCh	68, 53.434, 295.933
Yxy	37.9720, 0.2430, 0.2119
Android (android.graphics.Color)	4288584957 (0xFF9E9CFD)
YUV	167.6560, 42.0746, -8.4683
Hunter-Lab	61.6215, 18.2853, -50.8349

Details

The CIELCh color `68, 53.434, 295.933` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `97, 48.374, 107.380`, and the grayscale version is `68, 0.008, 296.813`.

A 20% lighter version of the original color is `86, 23.757, 296.148`, and `48, 53.456, 295.860` is the 20% darker color. If you saturate the color by 10%, you get `60, 68.794, 297.766`, and if you desaturate by 10%, it is `76, 38.668, 294.339`.

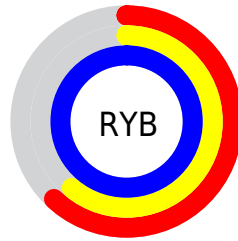
Distribution



Red (62%)

Green (61%)

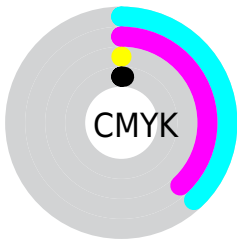
Blue (99%)



Red (62%)

Yellow (61%)

Blue (99%)

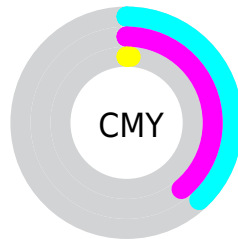


Cyan (38%)

Magenta (38%)

Yellow (0%)

Black (1%)



Cyan (38%)


Magenta (39%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 53.434, 295.933 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, 53.434, 295.933 by changing the saturation by 10% instead.


 68, 53.434,
295.933


 68, 53.434,
295.933


 100, 53.434,
295.933


 58, 53.434,
295.933


 88, 53.434,
295.933

 48, 53.434,
295.933

 98, 53.434,
295.933

 38, 53.434,
295.933

 28, 53.434,
295.933

 18, 53.434,
295.933

 8, 53.434, 295.933

 0, 53.434, 295.933

■ 68, 53.434,
295.933

■ 68, 53.434,
295.933

■ 60, 68.794,
297.766

■ 76, 38.668,
294.339

■ 52, 84.590,
299.804

■ 84, 24.519,
292.976

■ 45, 100.318,
301.933

■ 92, 10.956,
291.821

■ 39, 114.800,
303.923

100, 1.184,
110.024

■ 35, 126.017,
305.439

■ 32, 132.084,
306.228

■ 32, 132.788,
306.328

Harmonies

Complementary

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



68, 53.434, 295.933



97, 48.374, 107.380

Rectangle

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



68, 53.434, 295.933



68, 53.434, 345.933



68, 53.434, 115.933



68, 53.434, 165.933

Sweetspot

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



68, 53.433, 295.933



90, 15.921, 292.217



93, 29.374, 199.237



47, 10.588, 292.366



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, 53.433, 295.933



62, 65.584, 297.314



72, 55.192, 311.541



49, 7.506, 291.942



23, 107.679, 306.345



3, 44.177, 302.175

Inverse Universe

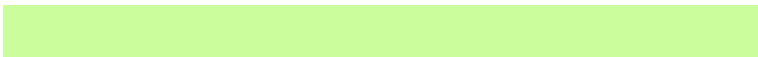
The Inverse Universe completely reimagines the original color for something new.



77, 59.577, 327.091



74, 71.103, 327.473



94, 52.322, 127.843



50, 8.932, 325.497



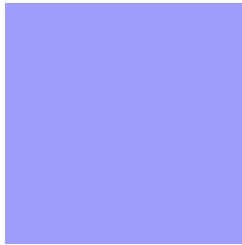
45, 91.604, 329.061



12, 42.224, 328.960

Previews

White Background



This preview shows how the CIELCh color 68, 53.434, 295.933 looks on a white background.

Color Contrast Check

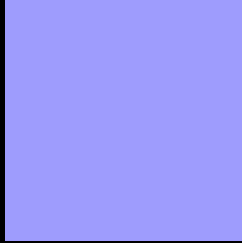
Large Text (above 18pt) WCAG AA × Fail

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, 53.434, 295.933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

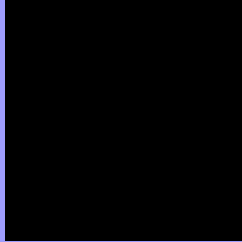
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 53.434, 295.933

Background



This preview shows how black text looks on a background with the CIELCh color 68, 53.434, 295.933.



This preview shows how white text looks on a background with the CIELCh color 68, 53.434, 295.933.

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, 53.434, 295.933

Protanopia

68, 51.444, 285.972

Deuteranopia

68, 47.984, 281.628



Tritanopia
68, 12.229, 238.079

Trichromacy



Original Color
68, 53.434, 295.933

Protanomaly
68, 51.795, 289.302

Deuteranomaly
68, 49.696, 286.901

Tritanomaly
68, 24.694, 279.581

Monochromacy



Original Color
68, 53.434, 295.933

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 19.313, 293.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 53.434, 295.933 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(158, 156, 253)` looks like.

```
.text, #text, p{  
    color:rgb(158, 156, 253)  
}
```

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(158, 156, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 156, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 53.434, 295.933 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(158, 156, 253) }
```

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

```
.border{ border-color:rgb(158, 156, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 156, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 156, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 156, 253);  
box-shadow:4px 4px 4px 4px rgb(158, 156,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 53.434, 295.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 156, 253) }
```

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

```
.background{ background-color: rgb(158,  
156, 253) }
```

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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