

Converting Colors

CIELCh(68, 52.478, 296.719)

Have a look what the booklet for
CIELCh(68, 52.478, 296.719)
contains.

CIELCh(68, 52.964, 296.855)	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, 52.964, 296.855)

Conversions

Conversions Part 1

Format	Color
Hex	A09BFB
RGB	160, 155, 251
RGB Percent	63%, 61%, 98%
CMY	0.3718, 0.3915, 0.0149
CMYK	0.36, 0.38, 0.00, 0.01
HSL	243°, 93%, 80%
HSV	243°, 38%, 99%
XYZ	43.7293, 37.9720, 96.4525
YIQ	167.4390, -27.8360, 30.9160

Conversions

Conversions Part 2

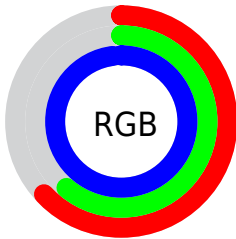
Format	Color
R _Y B	160, 155, 251
Decimal	10525691
CIE Lab	68.00, 23.93, -47.25
CIE LCh	68, 52.964, 296.855
Yxy	37.9720, 0.2455, 0.2131
Android (android.graphics.Color)	4288715771 (0xFFA09BFB)
YUV	167.4390, 41.1956, -6.5240
Hunter-Lab	61.6215, 18.8338, -49.6682

Details

The CIELCh color `68, 52.964, 296.855` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `96, 48.001, 108.833`, and the grayscale version is `69, 0.009, 296.813`.

A 20% lighter version of the original color is `86, 24.399, 298.445`, and `48, 52.944, 296.705` is the 20% darker color. If you saturate the color by 10%, you get `60, 68.214, 298.555`, and if you desaturate by 10%, it is `76, 38.285, 295.370`.

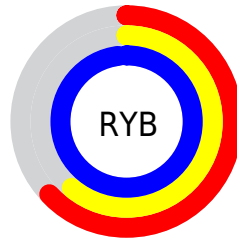
Distribution



Red (63%)

Green (61%)

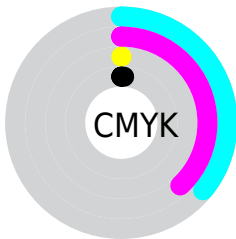
Blue (98%)



Red (63%)

Yellow (61%)

Blue (98%)

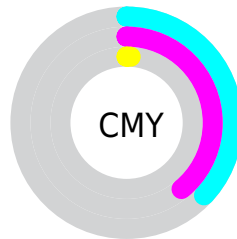


Cyan (36%)

Magenta (38%)

Yellow (0%)

Black (1%)



Cyan (37%)

Magenta (39%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 52.964, 296.855 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, 52.964, 296.855 by changing the saturation by 10% instead.

68, 52.964,
296.855

68, 52.964,
296.855

100, 52.964,
296.855

58, 52.964,
296.855

88, 52.964,
296.855

48, 52.964,
296.855

98, 52.964,
296.855

38, 52.964,
296.855

28, 52.964,
296.855

18, 52.964,
296.855

8, 52.964, 296.855

0, 52.964, 296.855

68, 52.964,
296.855

68, 52.964,
296.855

60, 68.214,
298.555

76, 38.285,
295.370

52, 83.872,
300.437

84, 24.207,
294.094

45, 99.442,
302.396

92, 10.708,
293.009

39, 113.804,
304.221

100, 1.918,
109.994

35, 125.036,
305.604

32, 131.278,
306.295

32, 132.068,
306.394

Harmonies

Complementary

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



68, 52.964, 296.855



96, 48.001, 108.833

Rectangle

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



68, 52.964, 296.855



68, 52.964, 346.855



68, 52.964, 116.855



68, 52.964, 166.855

Sweetspot

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



68, 52.963, 296.855



91, 14.577, 293.293



92, 28.171, 202.775



47, 9.821, 293.437



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, 52.963, 296.855



63, 65.577, 298.166



72, 54.951, 312.604



48, 7.388, 293.137



23, 106.447, 306.437



3, 42.178, 301.960

Inverse Universe

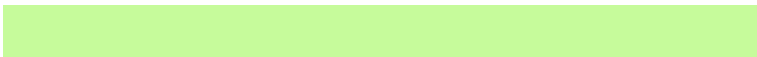
The Inverse Universe completely reimagines the original color for something new.



77, 57.826, 328.021



74, 69.612, 328.435



93, 52.345, 129.009



49, 8.597, 326.386



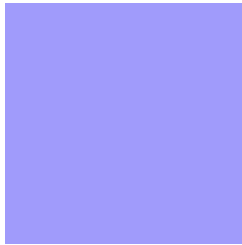
44, 88.454, 330.427



11, 40.228, 330.137

Previews

White Background



This preview shows how the CIELCh color 68, 52.964, 296.855 looks on a white background.

Color Contrast Check

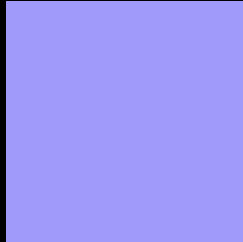
Large Text (above 18pt) WCAG AA × Fail

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, 52.964, 296.855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

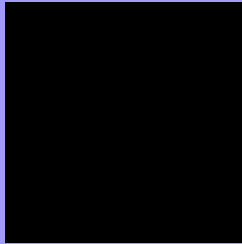
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 52.964, 296.855

Background



This preview shows how black text looks on a background with the CIELCh color 68, 52.964, 296.855.



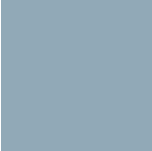
This preview shows how white text looks on a background with the CIELCh color 68, 52.964, 296.855.

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, 11.242, 242.432

Trichromacy



Original Color
68, 52.964, 296.855

Protanomaly
68, 51.775, 289.593

Deuteranomaly
68, 49.131, 287.687

Tritanomaly
68, 24.504, 282.532

Monochromacy



Original Color
68, 52.964, 296.855

Achromatopsia
69, 0.009, 296.813

Achromatomaly
68, 19.327, 294.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 52.964, 296.855 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(160, 155, 251)` looks like.

```
.text, #text, p{  
    color:rgb(160, 155, 251)  
}
```

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(160, 155, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 155, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 52.964, 296.855 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(160, 155, 251) }
```

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

```
.border{ border-color:rgb(160, 155, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 155, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 155, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 155, 251);  
box-shadow:4px 4px 4px 4px rgb(160, 155,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 52.964, 296.855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 155, 251) }
```

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

```
.background{ background-color: rgb(160,  
155, 251) }
```

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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