

Converting Colors

CIELCh(70, 52.450, 296.747)

Have a look what the booklet for
CIELCh(70, 52.450, 296.747)
contains.

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Color

CIELCh(70, 51.558, 296.675)

Conversions

Conversions Part 1

Format	Color
Hex	A6A1FF
RGB	166, 161, 255
RGB Percent	65%, 63%, 100%
CMY	0.3495, 0.3691, 0.0005
CMYK	0.35, 0.37, 0.00, 0.00
HSL	243°, 100%, 82%
HSV	243°, 37%, 100%
XYZ	46.4487, 40.7494, 99.9079
YIQ	173.2110, -27.1940, 30.2940

Conversions

Conversions Part 2

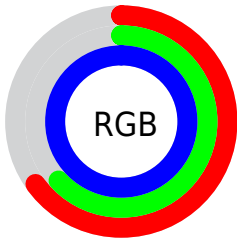
Format	Color
R _Y B	166, 161, 255
Decimal	10920447
CIE Lab	70.00, 23.15, -46.07
CIE LCh	70, 51.558, 296.675
Yxy	40.7494, 0.2482, 0.2178
Android (android.graphics.Color)	4289110527 (0xFFA6A1FF)
YUV	173.2110, 40.3220, -6.3240
Hunter-Lab	63.8353, 18.1708, -48.1094

Details

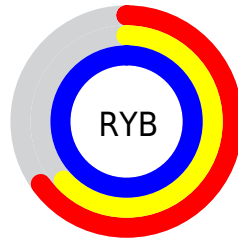
The CIELCh color `70, 51.558, 296.675` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `98, 46.923, 108.988`, and the grayscale version is `71, 0.009, 296.813`.

A 20% lighter version of the original color is `88, 20.585, 298.400`, and `50, 51.366, 296.342` is the 20% darker color. If you saturate the color by 10%, you get `62, 66.916, 298.345`, and if you desaturate by 10%, it is `78, 36.786, 295.220`.

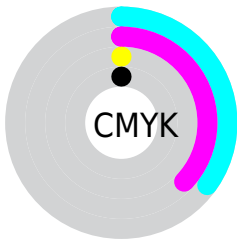
Distribution



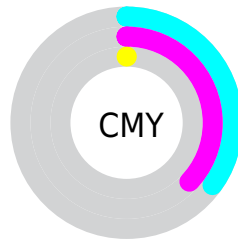
- Red (65%)
- Green (63%)
- Blue (100%)



- Red (65%)
- Yellow (63%)
- Blue (100%)



- Cyan (35%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (37%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 51.558, 296.675 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 70, 51.558, 296.675 by changing the saturation by 10% instead.


 70, 51.558,
296.675


 70, 51.558,
296.675


 100, 51.558,
296.675


 60, 51.558,
296.675


 90, 51.558,
296.675

 50, 51.558,
296.675

 40, 51.558,
296.675

 30, 51.558,
296.675

 20, 51.558,
296.675

 10, 51.558,
296.675

 0, 51.558, 296.675

70, 51.558,
296.675

70, 51.558,
296.675

62, 66.916,
298.345

78, 36.786,
295.220

54, 82.722,
300.204

86, 22.622,
293.972

47, 98.532,
302.159

94, 9.037, 292.913

41, 113.312,
304.015

100, 0.058,
108.852

36, 125.210,
305.469

33, 132.139,
306.233

32, 133.525,
306.395

Harmonies

Complementary

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



70, 51.558, 296.675



98, 46.923, 108.988

Rectangle

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



70, 51.558, 296.675



70, 51.558, 346.675



70, 51.558, 116.675



70, 51.558, 166.675

Sweetspot

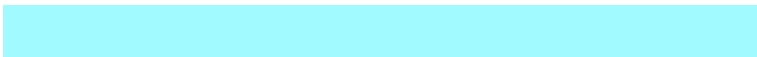
The Sweet Spot groups the original color and five complimentary colors.



70, 51.557, 296.675



91, 14.577, 293.328



93, 27.668, 202.790



47, 9.821, 293.471



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 51.557, 296.675



64, 62.469, 297.844



74, 53.591, 312.538



49, 7.512, 293.174



23, 107.516, 306.437



4, 44.255, 302.824

Inverse Universe

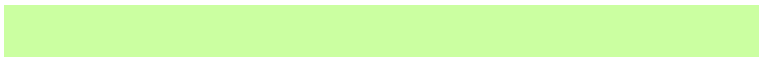
The Inverse Universe completely reimagines the original color for something new.



78, 56.493, 327.977



75, 66.786, 328.359



95, 51.142, 129.073



50, 8.735, 326.414



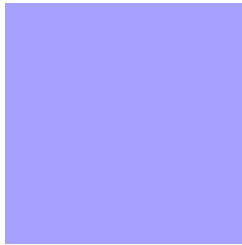
45, 89.275, 330.471



12, 41.278, 330.188

Previews

White Background



This preview shows how the CIELCh color 70, 51.558, 296.675 looks on a white background.

Color Contrast Check

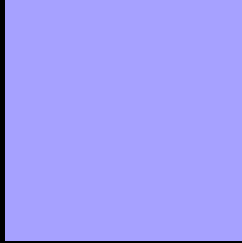
Large Text (above 18pt) WCAG AA × Fail

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 70, 51.558, 296.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

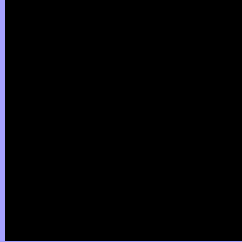
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 51.558, 296.675

Background



This preview shows how black text looks on a background with the CIELCh color 70, 51.558, 296.675.



This preview shows how white text looks on a background with the CIELCh color 70, 51.558, 296.675.

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
70, 10.852, 240.063

Trichromacy



Original Color
70, 51.558, 296.675

Protanomaly
70, 49.308, 289.862

Deuteranomaly
70, 47.737, 287.487

Tritanomaly
70, 23.333, 280.993

Monochromacy



Original Color
70, 51.558, 296.675

Achromatopsia
71, 0.009, 296.813

Achromatomaly
70, 18.640, 293.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 51.558, 296.675 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(166, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 161, 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(166, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 161, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 51.558, 296.675 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(166, 161, 255) }
```

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

```
.border{ border-color:rgb(166, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 161,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 51.558, 296.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 161, 255) }
```

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

```
.background{ background-color: rgb(166,  
161, 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](#).

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