

Converting Colors

CIELCh(73, 78.588, 296.512)

Have a look what the booklet for
CIELCh(73, 78.588, 296.512)
contains.

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Color

CIELCh(70, 49.768, 293.864)

Conversions

Conversions Part 1

Format	Color
Hex	A0A3FE
RGB	160, 163, 254
RGB Percent	63%, 64%, 100%
CMY	0.3732, 0.3612, 0.0048
CMYK	0.37, 0.36, 0.00, 0.00
HSL	238°, 97%, 81%
HSV	238°, 37%, 100%
XYZ	45.3913, 40.7494, 99.0509
YIQ	172.4770, -30.9990, 27.6650

Conversions

Conversions Part 2

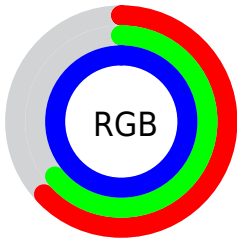
Format	Color
R _Y B	160, 163, 254
Decimal	10527742
CIE Lab	70.00, 20.13, -45.51
CIE LCh	70, 49.768, 293.864
Yxy	40.7494, 0.2451, 0.2200
Android (android.graphics.Color)	4288717822 (0xFFA0A3FE)
YUV	172.4770, 40.1908, -10.9423
Hunter-Lab	63.8353, 15.2141, -47.3134

Details

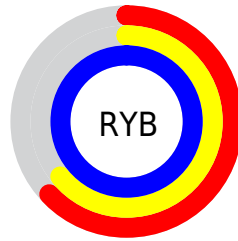
The CIELCh color `70, 49.768, 293.864` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `97, 45.522, 105.132`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `88, 19.340, 290.772`, and `50, 50.209, 294.001` is the 20% darker color. If you saturate the color by 10%, you get `62, 64.565, 295.791`, and if you desaturate by 10%, it is `78, 35.566, 292.202`.

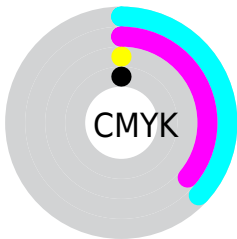
Distribution



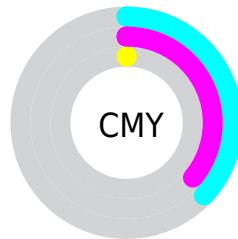
- Red (63%)
- Green (64%)
- Blue (100%)



- Red (63%)
- Yellow (64%)
- Blue (100%)



- Cyan (37%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (36%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 49.768, 293.864 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, 49.768, 293.864 by changing the saturation by 10% instead.

 70, 49.768,
293.864

 70, 49.768,
293.864


 100, 49.768,
293.864


 60, 49.768,
293.864


 90, 49.768,
293.864

 50, 49.768,
293.864

 40, 49.768,
293.864

 30, 49.768,
293.864

 20, 49.768,
293.864

 10, 49.768,
293.864

 0, 49.768, 293.864

70, 49.768,
293.864

70, 49.768,
293.864

62, 64.565,
295.791

78, 35.566,
292.202

54, 79.880,
297.967

86, 21.952,
290.787

47, 95.383,
300.305

94, 8.884, 289.593

41, 110.213,
302.608

100, 0.609,
110.005

36, 122.695,
304.560

33, 130.693,
305.825

33, 132.054,
306.024

Harmonies

Complementary

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



70, 49.768, 293.864



97, 45.522, 105.132

Rectangle

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



70, 49.768, 293.864



70, 49.768, 343.864



70, 49.768, 113.864



70, 49.768, 163.864

Sweetspot

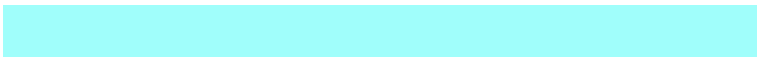
The Sweet Spot groups the original color and five complimentary colors.



70, 49.767, 293.864



91, 14.075, 290.043



94, 29.412, 194.415



47, 9.482, 290.204



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, 49.767, 293.864



65, 60.268, 295.183



73, 53.031, 309.852



49, 7.254, 289.870



23, 106.318, 305.912



4, 43.094, 301.217

Inverse Universe

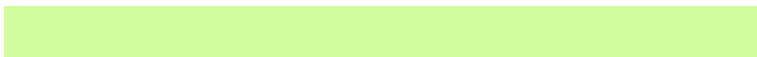
The Inverse Universe completely reimagines the original color for something new.



75, 37.620, 20.478



72, 45.850, 21.685



95, 50.051, 126.110



49, 5.254, 17.306



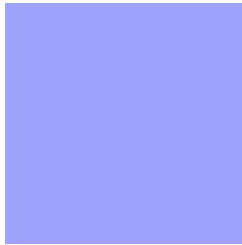
40, 82.805, 38.742



10, 33.100, 25.874

Previews

White Background



This preview shows how the CIELCh color 70, 49.768, 293.864 looks on a white background.

Color Contrast Check

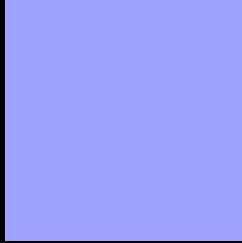
Large Text (above 18pt) WCAG AA × Fail

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, 49.768, 293.864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

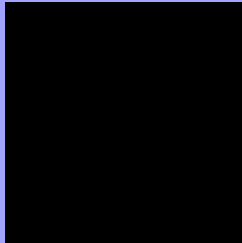
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 49.768, 293.864

Background



This preview shows how black text looks on a background with the CIELCh color 70, 49.768, 293.864.



This preview shows how white text looks on a background with the CIELCh color 70, 49.768, 293.864.

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, 12.948, 235.212

Trichromacy



Original Color
70, 49.820, 293.888

Protanomaly
70, 48.782, 288.756

Deuteranomaly
70, 47.231, 287.011

Tritanomaly
70, 23.778, 275.682

Monochromacy



Original Color
70, 49.820, 293.888

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 18.083, 290.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 49.768, 293.864 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, 163, 254)` looks like.

```
.text, #text, p{  
    color:rgb(160, 163, 254)  
}
```

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, 163, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 163, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 49.768, 293.864 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, 163, 254) }
```

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

```
.border{ border-color:rgb(160, 163, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 163, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 163, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 163, 254);  
box-shadow:4px 4px 4px 4px rgb(160, 163,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 49.768, 293.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 163, 254) }
```

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

```
.background{ background-color: rgb(160,  
163, 254) }
```

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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