

Converting Colors

CIELCh(70, 50.941, 295.560)

Have a look what the booklet for
CIELCh(70, 50.941, 295.560)
contains.

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Color

CIELCh(70, 50.948, 295.321)

Conversions

Conversions Part 1

Format	Color
Hex	A3A2FF
RGB	163, 162, 255
RGB Percent	64%, 64%, 100%
CMY	0.3615, 0.3654, 0.0008
CMYK	0.36, 0.36, 0.00, 0.00
HSL	241°, 100%, 82%
HSV	241°, 36%, 100%
XYZ	45.9705, 40.7494, 99.8811
YIQ	172.9010, -29.2570, 29.1350

Conversions

Conversions Part 2

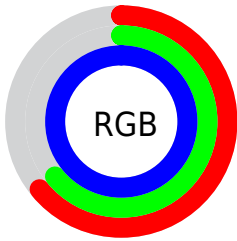
Format	Color
R _Y B	163, 162, 255
Decimal	10724095
CIE Lab	70.00, 21.79, -46.05
CIE LCh	70, 50.948, 295.321
Yxy	40.7494, 0.2464, 0.2184
Android (android.graphics.Color)	4288914175 (0xFFA3A2FF)
YUV	172.9010, 40.4748, -8.6832
Hunter-Lab	63.8353, 16.8338, -48.0846

Details

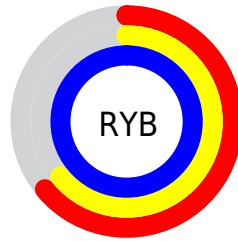
The CIELCh color **70, 50.948, 295.321** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **98, 46.399, 107.110**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 19.921, 294.692**, and **50, 51.382, 295.425** is the 20% darker color. If you saturate the color by 10%, you get **62, 66.315, 297.151**, and if you desaturate by 10%, it is **78, 36.195, 293.739**.

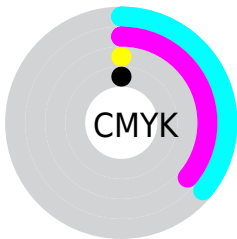
Distribution



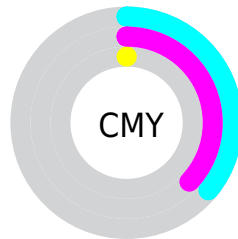
- Red (64%)
- Green (64%)
- Blue (100%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 50.948, 295.321 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, 50.948, 295.321 by changing the saturation by 10% instead.


 70, 50.948,
295.321


 70, 50.948,
295.321


 100, 50.948,
295.321


 60, 50.948,
295.321


 90, 50.948,
295.321

 50, 50.948,
295.321

 40, 50.948,
295.321

 30, 50.948,
295.321

 20, 50.948,
295.321

 10, 50.948,
295.321

 0, 50.948, 295.321

70, 50.948,
295.321

70, 50.948,
295.321

62, 66.315,
297.151

78, 36.195,
293.739

54, 82.179,
299.204

86, 22.063,
292.391

47, 98.118,
301.384

95, 8.515, 291.253

40, 113.090,
303.477

100, 0.090,
109.310

36, 125.177,
305.154

33, 132.179,
306.098

32, 133.690,
306.308

Harmonies

Complementary

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



70, 50.948, 295.321



98, 46.399, 107.110

Rectangle

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



70, 50.948, 295.321



70, 50.948, 345.321



70, 50.948, 115.321



70, 50.948, 165.321

Sweetspot

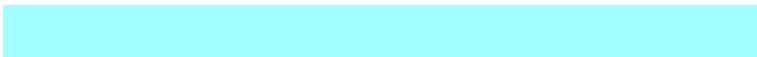
The Sweet Spot groups the original color and five complimentary colors.



70, 50.947, 295.321



91, 14.563, 291.741



94, 28.870, 197.638



47, 9.811, 291.896



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, 50.947, 295.321



64, 62.472, 296.673



74, 52.638, 310.902



49, 7.505, 291.575



23, 107.727, 306.317



3, 44.153, 301.977

Inverse Universe

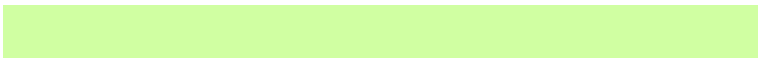
The Inverse Universe completely reimagines the original color for something new.



79, 57.527, 326.716



75, 68.704, 327.092



95, 49.937, 127.341



50, 8.992, 325.232



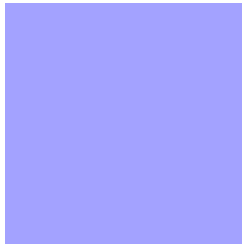
45, 92.308, 328.661



12, 42.509, 328.609

Previews

White Background



This preview shows how the CIELCh color 70, 50.948, 295.321 looks on a white background.

Color Contrast Check

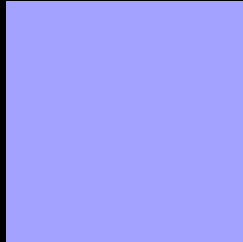
Large Text (above 18pt) WCAG AA × Fail

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, 50.948, 295.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

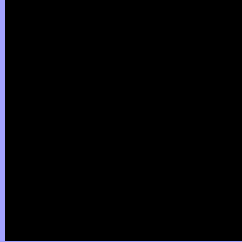
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 50.948, 295.321

Background



This preview shows how black text looks on a background with the CIELCh color 70, 50.948, 295.321.



This preview shows how white text looks on a background with the CIELCh color 70, 50.948, 295.321.

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

70, 50.948, 295.321

Protanopia

70, 47.866, 285.558

Deuteranopia

70, 45.975, 282.185



Tritanopia
70, 11.931, 239.019

Trichromacy



Original Color
70, 50.948, 295.321

Protanomaly
70, 48.760, 289.074

Deuteranomaly
70, 47.763, 287.166

Tritanomaly
70, 24.039, 279.082

Monochromacy



Original Color
70, 50.948, 295.321

Achromatopsia
71, 0.009, 296.813

Achromatomaly
70, 18.632, 292.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 50.948, 295.321 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(163, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 162, 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(163, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 162, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 50.948, 295.321 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(163, 162, 255) }
```

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

```
.border{ border-color:rgb(163, 162, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 162,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 50.948, 295.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 162, 255) }
```

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

```
.background{ background-color: rgb(163,  
162, 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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