

Converting Colors

CIELCh(70, 50.544, 295.250)

Have a look what the booklet for
CIELCh(70, 50.544, 295.250)
contains.

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Color

CIELCh(70, 50.409, 295.280)

Conversions

Conversions Part 1

Format	Color
Hex	A3A2FE
RGB	163, 162, 254
RGB Percent	64%, 64%, 100%
CMY	0.3610, 0.3649, 0.0042
CMYK	0.36, 0.36, 0.00, 0.00
HSL	241°, 98%, 82%
HSV	241°, 36%, 100%
XYZ	45.8781, 40.7494, 99.1554
YIQ	172.7870, -28.9360, 28.8240

Conversions

Conversions Part 2

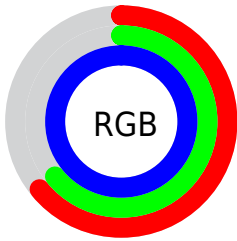
Format	Color
R _Y B	163, 162, 254
Decimal	10724094
CIE Lab	70.00, 21.53, -45.58
CIE LCh	70, 50.409, 295.280
Yxy	40.7494, 0.2469, 0.2193
Android (android.graphics.Color)	4288914174 (0xFFA3A2FE)
YUV	172.7870, 40.0380, -8.5832
Hunter-Lab	63.8353, 16.5755, -47.4105

Details

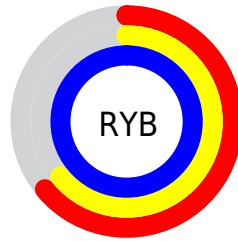
The CIELCh color `70, 50.409, 295.280` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `98, 45.947, 107.143`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `88, 19.921, 294.692`, and `50, 50.814, 295.353` is the 20% darker color. If you saturate the color by 10%, you get `62, 65.718, 297.102`, and if you desaturate by 10%, it is `78, 35.714, 293.705`.

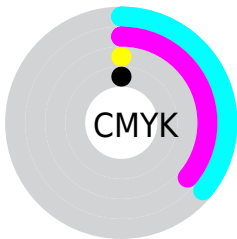
Distribution



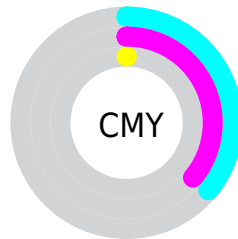
- Red (64%)
- Green (64%)
- Blue (100%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 50.409, 295.280 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, 50.409, 295.280 by changing the saturation by 10% instead.


 70, 50.409,
295.280

 70, 50.409,
295.280


 100, 50.409,
295.280


 60, 50.409,
295.280


 90, 50.409,
295.280

 50, 50.409,
295.280

 40, 50.409,
295.280

 30, 50.409,
295.280

 20, 50.409,
295.280

 10, 50.409,
295.280

 0, 50.409, 295.280

70, 50.409,
295.280

70, 50.409,
295.280

62, 65.718,
297.102

78, 35.714,
293.705

54, 81.528,
299.149

86, 21.637,
292.364

47, 97.430,
301.326

95, 8.141, 291.232

40, 112.409,
303.424

100, 0.530,
109.992

36, 124.575,
305.117

33, 131.717,
306.082

32, 133.343,
306.309

Harmonies

Complementary

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



70, 50.409, 295.280



98, 45.947, 107.143

Rectangle

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



70, 50.409, 295.280



70, 50.409, 345.280



70, 50.409, 115.280



70, 50.409, 165.280

Sweetspot

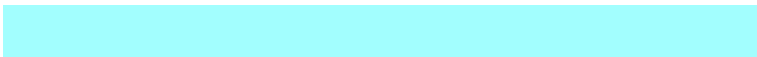
The Sweet Spot groups the original color and five complimentary colors.



70, 50.408, 295.280



91, 14.563, 291.747



94, 28.616, 197.649



47, 9.811, 291.902



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, 50.408, 295.280



65, 60.922, 296.489



74, 52.098, 310.887



49, 7.505, 291.581



23, 107.727, 306.318



3, 44.154, 301.980

Inverse Universe

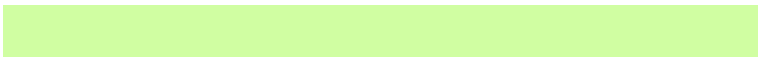
The Inverse Universe completely reimagines the original color for something new.



78, 56.961, 326.707



75, 67.248, 327.049



95, 49.446, 127.354



50, 8.991, 325.237



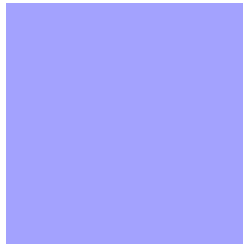
45, 92.296, 328.668



12, 42.504, 328.615

Previews

White Background



This preview shows how the CIELCh color 70, 50.409, 295.280 looks on a white background.

Color Contrast Check

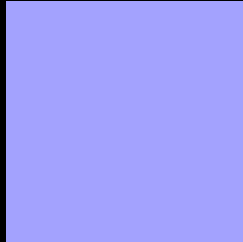
Large Text (above 18pt) WCAG AA × Fail

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, 50.409, 295.280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

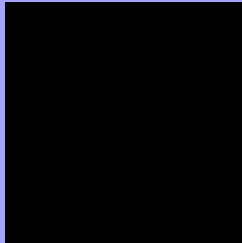
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 50.409, 295.280

Background



This preview shows how black text looks on a background with the CIELCh color 70, 50.409, 295.280.



This preview shows how white text looks on a background with the CIELCh color 70, 50.409, 295.280.

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, 50.409, 295.280

Protanopia

70, 47.866, 285.558

Deuteranopia

70, 45.409, 282.272



Tritanopia
70, 11.931, 239.019

Trichromacy



Original Color
70, 50.409, 295.280

Protanomaly
70, 48.760, 289.074

Deuteranomaly
70, 47.203, 287.336

Tritanomaly
70, 24.039, 279.082

Monochromacy



Original Color
70, 50.409, 295.280

Achromatopsia
71, 0.009, 296.813

Achromatomaly
70, 18.085, 291.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 50.409, 295.280 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(163, 162, 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(163, 162, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 162, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 50.409, 295.280 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, 254) }
```

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

```
.border{ border-color:rgb(163, 162, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 162, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 162, 254);  
box-shadow:4px 4px 4px 4px rgb(163, 162,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 50.409, 295.280 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, 254) }
```

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

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