

Converting Colors

CIELCh(70, 44.998, 294.190)

Have a look what the booklet for
CIELCh(70, 44.998, 294.190)
contains.

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Color

CIELCh(70, 45.501, 294.519)

Conversions

Conversions Part 1

Format	Color
Hex	A3A3F6
RGB	163, 163, 246
RGB Percent	64%, 64%, 96%
CMY	0.3599, 0.3599, 0.0344
CMYK	0.34, 0.34, 0.00, 0.03
HSL	240°, 83%, 80%
HSV	240°, 34%, 97%
XYZ	44.9565, 40.7494, 92.8735
YIQ	172.4620, -26.6430, 25.8130

Conversions

Conversions Part 2

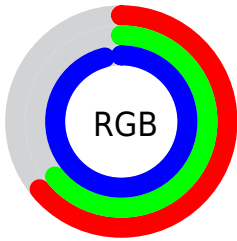
Format	Color
R _Y B	163, 163, 246
Decimal	10724342
CIE Lab	70.00, 18.88, -41.40
CIE LCh	70, 45.501, 294.519
Yxy	40.7494, 0.2517, 0.2282
Android (android.graphics.Color)	4288914422 (0xFFA3A3F6)
YUV	172.4620, 36.2542, -8.2982
Hunter-Lab	63.8353, 13.9984, -41.5759

Details

The CIELCh color **70, 45.501, 294.519** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **95, 41.806, 106.905**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 19.364, 293.739**, and **50, 45.615, 294.639** is the 20% darker color. If you saturate the color by 10%, you get **62, 60.287, 296.316**, and if you desaturate by 10%, it is **78, 31.323, 292.975**.

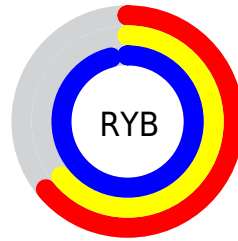
Distribution



Red (64%)

Green (64%)

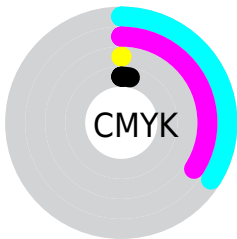
Blue (96%)



Red (64%)

Yellow (64%)

Blue (96%)

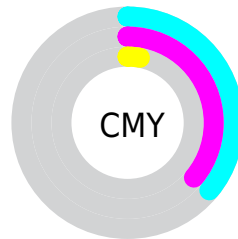


Cyan (34%)

Magenta (34%)

Yellow (0%)

Black (3%)



Cyan (36%)


Magenta (36%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 45.501, 294.519 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, 45.501, 294.519 by changing the saturation by 10% instead.


 70, 45.501,
294.519


 70, 45.501,
294.519


 100, 45.501,
294.519


 60, 45.501,
294.519


 90, 45.501,
294.519

 50, 45.501,
294.519

 40, 45.501,
294.519

 30, 45.501,
294.519

 20, 45.501,
294.519

 10, 45.501,
294.519

 0, 45.501, 294.519

70, 45.501,
294.519

70, 45.501,
294.519

62, 60.287,
296.316

78, 31.323,
292.975

54, 75.618,
298.357

86, 17.742,
291.665

47, 91.194,
300.569

94, 4.717, 290.567

40, 106.211,
302.771

100, 4.433,
109.829

35, 119.036,
304.657

32, 127.440,
305.875

31, 130.316,
306.287

Harmonies

Complementary

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



70, 45.501, 294.519



95, 41.806, 106.905

Rectangle

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



70, 45.501, 294.519



70, 45.501, 344.519



70, 45.501, 114.519



70, 45.501, 164.519

Sweetspot

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



70, 45.500, 294.519



92, 13.211, 291.234



92, 26.268, 197.755



48, 9.038, 291.395



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, 45.500, 294.519



67, 56.307, 295.632



73, 47.169, 310.745



47, 7.256, 291.174



22, 105.633, 306.288



3, 39.906, 299.773

Inverse Universe

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



78, 52.192, 326.276



77, 63.280, 326.598



92, 44.951, 127.479



48, 8.758, 324.948



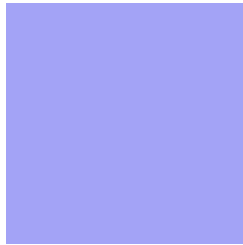
44, 91.218, 328.238



11, 40.557, 328.237

Previews

White Background



This preview shows how the CIELCh color 70, 45.501, 294.519 looks on a white background.

Color Contrast Check

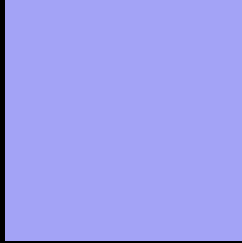
Large Text (above 18pt) WCAG AA × Fail

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, 45.501, 294.519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

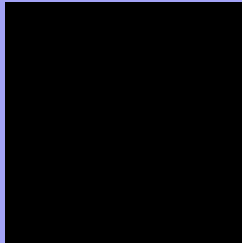
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 45.501, 294.519

Background



This preview shows how black text looks on a background with the CIELCh color 70, 45.501, 294.519.



This preview shows how white text looks on a background with the CIELCh color 70, 45.501, 294.519.

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, 45.501, 294.519

Protanopia

70, 45.116, 285.644

Deuteranopia

70, 42.004, 283.365



Tritanopia
70, 11.188, 242.348

Trichromacy



Original Color
70, 45.501, 294.519

Protanomaly
70, 45.502, 288.979

Deuteranomaly
70, 42.820, 287.520

Tritanomaly
70, 21.845, 278.193

Monochromacy



Original Color
70, 45.501, 294.519

Achromatopsia
71, 0.009, 296.813

Achromatomaly
70, 16.991, 291.854

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 45.501, 294.519 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, 163, 246)` looks like.

```
.text, #text, p{  
    color:rgb(163, 163, 246)  
}
```

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, 163, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 163, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 45.501, 294.519 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, 163, 246) }
```

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

```
.border{ border-color:rgb(163, 163, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 163, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 163, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 163, 246);  
box-shadow:4px 4px 4px 4px rgb(163, 163,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 45.501, 294.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 163, 246) }
```

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

```
.background{ background-color: rgb(163,  
163, 246) }
```

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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