

Converting Colors

CIELCh(70, 47.843, 300.510)

Have a look what the booklet for
CIELCh(70, 47.843, 300.510)
contains.

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Color

CIELCh(70, 48.087, 300.562)

Conversions

Conversions Part 1

Format	Color
Hex	AF9FF6
RGB	175, 159, 246
RGB Percent	69%, 62%, 96%
CMY	0.3123, 0.3751, 0.0338
CMYK	0.29, 0.35, 0.00, 0.03
HSL	251°, 83%, 80%
HSV	251°, 35%, 97%
XYZ	46.9119, 40.7494, 92.8865
YIQ	173.7020, -18.3910, 30.4490

Conversions

Conversions Part 2

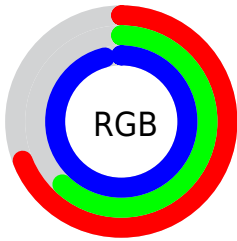
Format	Color
R _Y B	175, 159, 246
Decimal	11509750
CIE _{Lab}	70.00, 24.45, -41.41
CIE _{LCh}	70, 48.087, 300.562
Y _{xy}	40.7494, 0.2598, 0.2257
Android (android.graphics.Color)	4289699830 (0xFFAF9FF6)
Y _{UV}	173.7020, 35.6429, 1.1383
Hunter-Lab	63.8353, 19.4661, -41.5880

Details

The CIELCh color $70, 48.087, 300.562$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $94, 44.247, 114.875$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 22.390, 307.713$, and $50, 48.241, 300.672$ is the 20% darker color. If you saturate the color by 10%, you get $62, 62.842, 301.759$, and if you desaturate by 10%, it is $78, 33.810, 299.497$.

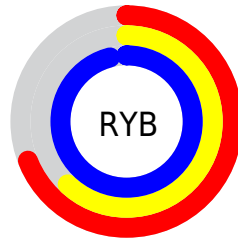
Distribution



Red (69%)

Green (62%)

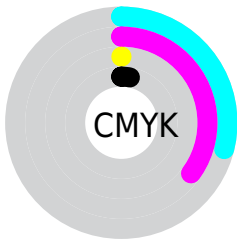
Blue (96%)



Red (69%)

Yellow (62%)

Blue (96%)

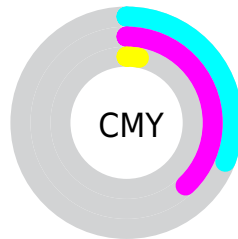


Cyan (29%)

Magenta (35%)

Yellow (0%)

Black (3%)



Cyan (31%)


Magenta (38%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 48.087, 300.562 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, 48.087, 300.562 by changing the saturation by 10% instead.

 70, 48.087,
300.562


 70, 48.087,
300.562


 100, 48.087,
300.562


 60, 48.087,
300.562


 90, 48.087,
300.562

 50, 48.087,
300.562

 40, 48.087,
300.562

 30, 48.087,
300.562

 20, 48.087,
300.562

 10, 48.087,
300.562

 0, 48.087, 300.562

70, 48.087,
300.562

70, 48.087,
300.562

62, 62.842,
301.759

78, 33.810,
299.497

55, 77.921,
303.063

85, 20.063,
298.565

48, 92.927,
304.404

93, 6.842, 297.759

42, 107.035,
305.649

100, 4.360,
109.835

37, 118.825,
306.586

33, 126.547,
306.975

32, 128.872,
307.019

Harmonies

Complementary

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



70, 48.087, 300.562



94, 44.247, 114.875

Rectangle

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



70, 48.087, 300.562



70, 48.087, 350.562



70, 48.087, 120.562



70, 48.087, 170.562

Sweetspot

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



70, 48.086, 300.562



91, 14.689, 298.204



87, 23.455, 219.067



48, 9.895, 298.315



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, 48.086, 300.562



67, 59.537, 301.357



74, 51.003, 316.731



47, 7.321, 298.080



23, 104.250, 307.125



3, 40.458, 303.884

Inverse Universe

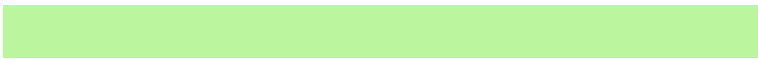
The Inverse Universe completely reimagines the original color for something new.



76, 48.236, 332.247



75, 58.541, 332.710



91, 49.573, 133.483



48, 7.710, 330.536



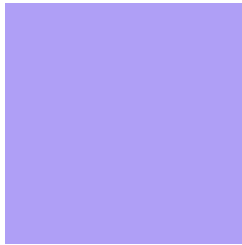
42, 79.052, 337.206



10, 35.803, 335.807

Previews

White Background



This preview shows how the CIELCh color 70, 48.087, 300.562 looks on a white background.

Color Contrast Check

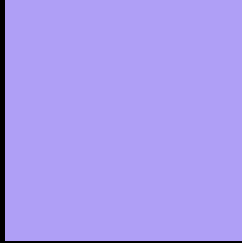
Large Text (above 18pt) WCAG AA × Fail

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, 48.087, 300.562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

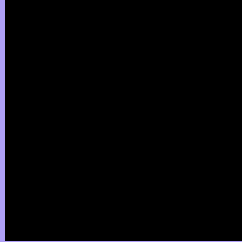
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 48.087, 300.562

Background



This preview shows how black text looks on a background with the CIELCh color 70, 48.087, 300.562.



This preview shows how white text looks on a background with the CIELCh color 70, 48.087, 300.562.

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](#).

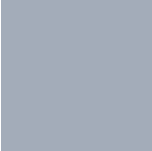
Dichromacy



Original Color
70, 48.087, 300.562

Protanopia
70, 47.304, 285.695

Deuteranopia
70, 41.435, 283.518



Tritanopia
70, 7.754, 266.221

Trichromacy



Original Color
70, 48.087, 300.562

Protanomaly
70, 47.093, 290.744

Deuteranomaly
70, 43.847, 290.477

Tritanomaly
70, 21.956, 292.342

Monochromacy



Original Color
70, 48.087, 300.562

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 17.104, 297.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 48.087, 300.562 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(175, 159, 246)` looks like.

```
.text, #text, p{  
    color:rgb(175, 159, 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(175, 159, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 159, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 48.087, 300.562 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(175, 159, 246) }
```

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

```
.border{ border-color:rgb(175, 159, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 159, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 159, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 159, 246);  
box-shadow:4px 4px 4px 4px rgb(175, 159,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 48.087, 300.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 159, 246) }
```

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

```
.background{ background-color: rgb(175,  
159, 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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