

Converting Colors

CIELCh(70, 50.795, 303.415)

Have a look what the booklet for
CIELCh(70, 50.795, 303.415)
contains.

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Color

CIELCh(70, 50.580, 303.263)

Conversions

Conversions Part 1

Format	Color
Hex	B59DF8
RGB	181, 157, 248
RGB Percent	71%, 62%, 97%
CMY	0.2899, 0.3840, 0.0272
CMYK	0.27, 0.37, 0.00, 0.03
HSL	256°, 87%, 79%
HSV	256°, 37%, 97%
XYZ	48.0940, 40.7494, 94.1947
YIQ	174.5500, -14.9070, 33.3890

Conversions

Conversions Part 2

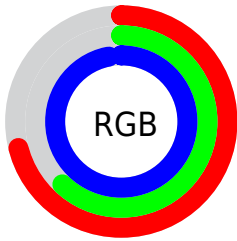
Format	Color
R _Y B	181, 157, 248
Decimal	11902456
CIE Lab	70.00, 27.74, -42.29
CIE LCh	70, 50.580, 303.263
Yxy	40.7494, 0.2628, 0.2226
Android (android.graphics.Color)	4290092536 (0xFFB59DF8)
YUV	174.5500, 36.2109, 5.6567
Hunter-Lab	63.8353, 22.7716, -42.8030

Details

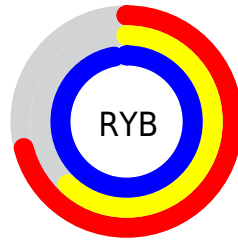
The CIELCh color $70, 50.580, 303.263$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $94, 46.672, 118.164$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 24.280, 313.361$, and $50, 50.786, 303.424$ is the 20% darker color. If you saturate the color by 10%, you get $63, 65.398, 304.255$, and if you desaturate by 10%, it is $78, 36.147, 302.359$.

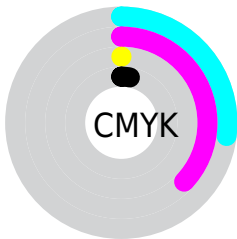
Distribution



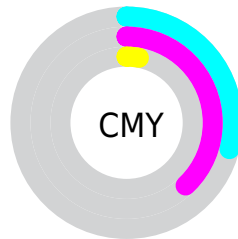
- Red (71%)
- Green (62%)
- Blue (97%)



- Red (71%)
- Yellow (62%)
- Blue (97%)



- Cyan (27%)
- Magenta (37%)
- Yellow (0%)
- Black (3%)





- Cyan (29%)
- Magenta (38%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 50.580, 303.263 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, 50.580, 303.263 by changing the saturation by 10% instead.


 70, 50.580,
303.263


 70, 50.580,
303.263


 100, 50.580,
303.263


 60, 50.580,
303.263


 90, 50.580,
303.263

 50, 50.580,
303.263

 40, 50.580,
303.263

 30, 50.580,
303.263

 20, 50.580,
303.263

 10, 50.580,
303.263

 0, 50.580, 303.263

70, 50.580,
303.263

70, 50.580,
303.263

63, 65.398,
304.255

78, 36.147,
302.359

55, 80.385,
305.302

85, 22.191,
301.555

49, 95.074,
306.330

93, 8.733, 300.847

43, 108.590,
307.213

100, 3.520,
114.908

38, 119.570,
307.762

100, 3.503,
109.894

35, 126.529,
307.786

34, 128.193,
307.738

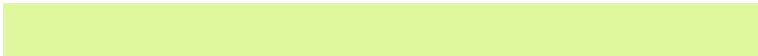
Harmonies

Complementary

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



70, 50.580, 303.263



94, 46.672, 118.164

Rectangle

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



70, 50.580, 303.263



70, 50.580, 353.263



70, 50.580, 123.263



70, 50.580, 173.263

Sweetspot

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



70, 50.578, 303.263



92, 14.808, 301.142



86, 23.861, 228.453



48, 9.974, 301.238



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, 50.578, 303.263



66, 62.783, 303.988



74, 53.949, 318.885



48, 7.507, 301.037



25, 104.184, 307.874



4, 42.735, 306.365

Inverse Universe

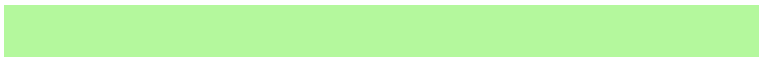
The Inverse Universe completely reimagines the original color for something new.



76, 47.656, 335.476



74, 57.949, 336.076



91, 52.793, 135.378



49, 7.409, 333.461



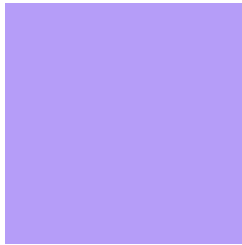
42, 75.375, 342.323



10, 34.908, 340.096

Previews

White Background



This preview shows how the CIELCh color 70, 50.580, 303.263 looks on a white background.

Color Contrast Check

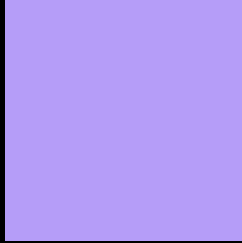
Large Text (above 18pt) WCAG AA × Fail

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, 50.580, 303.263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

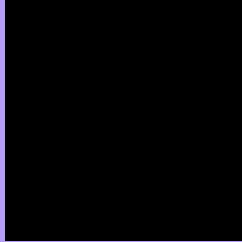
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 50.580, 303.263

Background



This preview shows how black text looks on a background with the CIELCh color 70, 50.580, 303.263.




This preview shows how white text looks on a background with the CIELCh color 70, 50.580, 303.263.

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, 7.677, 288.237

Trichromacy



Original Color
70, 50.580, 303.263

Protanomaly
70, 48.184, 291.980

Deuteranomaly
70, 44.373, 290.955

Tritanomaly
70, 23.291, 299.221

Monochromacy



Original Color
70, 50.580, 303.263

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 18.948, 301.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 50.580, 303.263 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(181, 157, 248)` looks like.

```
.text, #text, p{  
    color:rgb(181, 157, 248)  
}
```

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(181, 157, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 157, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 50.580, 303.263 is called "border". The border property can be set on classes, ids or directly on the HTML element.

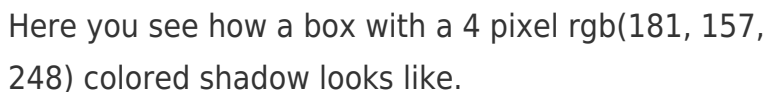
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 157, 248) }
```

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

```
.border{ border-color:rgb(181, 157, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 157, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 157, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 157, 248); box-shadow:4px 4px 4px 4px rgb(181, 157, 248) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 50.580, 303.263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 157, 248) }
```

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

```
.background{ background-color: rgb(181,  
157, 248) }
```

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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