

Converting Colors

CIELCh(72, 51.454, 304.410)

Have a look what the booklet for
CIELCh(72, 51.454, 304.410)
contains.

CIELCh(72, 51.596, 304.462)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 51.596, 304.462)

Conversions

Conversions Part 1

Format	Color
Hex	BDA1FE
RGB	189, 161, 254
RGB Percent	74%, 63%, 100%
CMY	0.2574, 0.3672, 0.0024
CMYK	0.26, 0.37, 0.00, 0.00
HSL	258°, 99%, 82%
HSV	258°, 37%, 100%
XYZ	51.8352, 43.6590, 99.7826
YIQ	179.9740, -13.1650, 34.8590

Conversions

Conversions Part 2

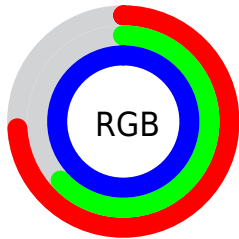
Format	Color
R_{YB}	189, 161, 254
Decimal	12427774
CIE _{Lab}	72.00, 29.20, -42.54
CIE _{LCh}	72, 51.596, 304.462
Yxy	43.6590, 0.2654, 0.2236
Android (android.graphics.Color)	4290617854 (0xFFBDA1FE)
YUV	179.9740, 36.4948, 7.9158
Hunter-Lab	66.0750, 24.4005, -43.2838

Details

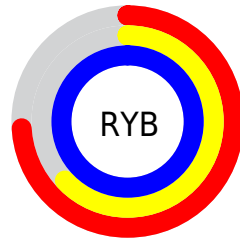
The CIELCh color $72, 51.596, 304.462$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $96, 47.795, 119.711$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 23.035, 319.330$, and $52, 51.743, 304.605$ is the 20% darker color. If you saturate the color by 10%, you get $65, 66.679, 305.363$, and if you desaturate by 10%, it is $80, 36.862, 303.632$.

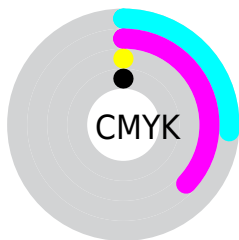
Distribution



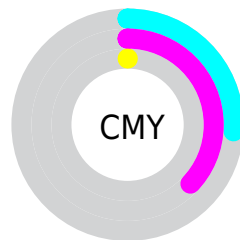
- Red (74%)
- Green (63%)
- Blue (100%)



- Red (74%)
- Yellow (63%)
- Blue (100%)



- Cyan (26%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (37%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 51.596, 304.462 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 72, 51.596, 304.462 by changing the saturation by 10% instead.


 72, 51.596,
304.462


 72, 51.596,
304.462


 100, 51.596,
304.462


 62, 51.596,
304.462


 92, 51.596,
304.462

 52, 51.596,
304.462

 42, 51.596,
304.462

 32, 51.596,
304.462

 22, 51.596,
304.462

 12, 51.596,
304.462

 2, 51.596, 304.462

■ 0, 51.596, 304.462

■ 72, 51.596,
304.462

■ 72, 51.596,
304.462

■ 65, 66.679,
305.363

■ 80, 36.862,
303.632

■ 57, 81.876,
306.300

■ 87, 22.587,
302.887

■ 51, 96.694,
307.202

■ 95, 8.802, 302.226

■ 45, 110.253,
307.946

100, 0.301,
109.899

■ 40, 121.222,
308.359

■ 36, 128.189,
308.262

■ 35,129.894,
308.167

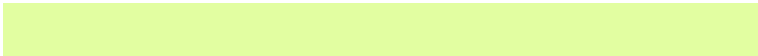
Harmonies

Complementary

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



72, 51.596, 304.462



96, 47.795, 119.711

Rectangle

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



72, 51.596, 304.462



72, 51.596, 354.462



72, 51.596, 124.462



72, 51.596, 174.462

Sweetspot

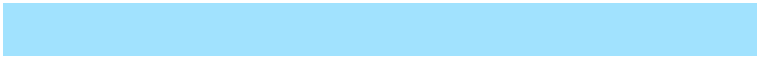
The Sweet Spot groups the original color and five complimentary colors.



72, 51.594, 304.462



92, 14.876, 302.509



87, 24.320, 235.574



48, 10.019, 302.598



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72, 51.594, 304.462



67, 62.902, 305.127



76, 55.438, 320.434



49, 7.669, 302.412



26, 104.601, 308.320



5, 44.756, 307.736

Inverse Universe

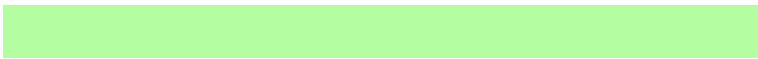
The Inverse Universe completely reimagines the original color for something new.



77, 47.279, 337.079



74, 56.528, 337.734



93, 54.550, 136.780



50, 7.334, 334.957



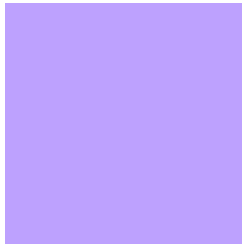
42, 74.260, 345.026



11, 34.990, 342.425

Previews

White Background



This preview shows how the CIELCh color 72, 51.596, 304.462 looks on a white background.

Color Contrast Check

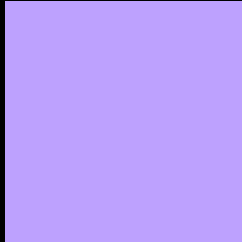
Large Text (above 18pt) WCAG AA × Fail

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 72, 51.596, 304.462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

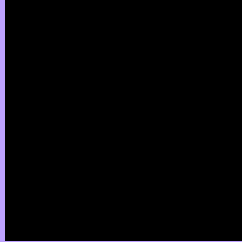
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 51.596, 304.462

Background



This preview shows how black text looks on a background with the CIELCh color 72, 51.596, 304.462.



This preview shows how white text looks on a background with the CIELCh color 72, 51.596, 304.462.

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


72, 51.596, 304.462

Protanopia

72, 44.320, 285.258

Deuteranopia

72, 42.283, 283.367



Tritanopia
72, 7.678, 296.355

Trichromacy



Original Color
72, 51.596, 304.462

Protanomaly
72, 46.840, 292.735

Deuteranomaly
72, 45.197, 291.755

Tritanomaly
72, 23.853, 301.530

Monochromacy



Original Color
72, 51.596, 304.462

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 18.913, 302.610

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 51.596, 304.462 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(189, 161, 254)` looks like.

```
.text, #text, p{  
    color:rgb(189, 161, 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(189, 161, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 161, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 51.596, 304.462 is called "border". The border property can be set on classes, ids or directly on the HTML element.

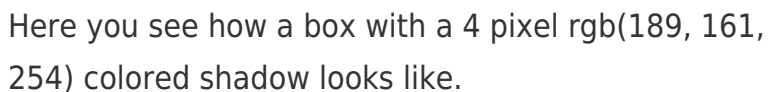
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 161, 254) }
```

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

```
.border{ border-color:rgb(189, 161, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 161, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 161, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 161, 254); box-shadow:4px 4px 4px 4px rgb(189, 161, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 51.596, 304.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 161, 254) }
```

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

```
.background{ background-color: rgb(189,  
161, 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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