

Converting Colors

CIELCh(63, 72.172, 310.746)

Have a look what the booklet for
CIELCh(63, 72.172, 310.746)
contains.

CIELCh(63, 72.603, 310.823)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(63, 72.603, 310.823)

Conversions

Conversions Part 1

Format	Color
Hex	B87CFB
RGB	184, 124, 251
RGB Percent	72%, 49%, 98%
CMY	0.2783, 0.5136, 0.0155
CMYK	0.27, 0.51, 0.00, 0.02
HSL	268°, 94%, 74%
HSV	268°, 51%, 98%
XYZ	44.4074, 31.5869, 95.0559
YIQ	156.4180, -5.0070, 52.2170

Conversions

Conversions Part 2

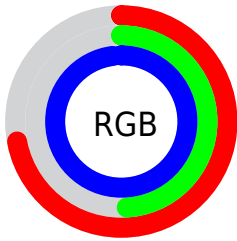
Format	Color
RYB	184, 124, 251
Decimal	12090619
CIELab	63.00, 47.46, -54.94
CIELCh	63, 72.603, 310.823
Yxy	31.5869, 0.2596, 0.1847
Android (android.graphics.Color)	4290280699 (0xFFB87CFB)
YUV	156.4180, 46.6289, 24.1894
Hunter-Lab	56.2022, 42.6852, -60.9367

Details

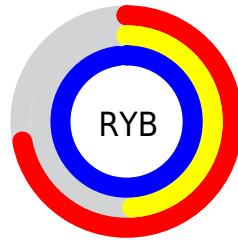
The CIELCh color $63, 72.603, 310.823$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $92, 66.927, 125.726$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 46.206, 321.113$, and $43, 72.551, 310.643$ is the 20% darker color. If you saturate the color by 10%, you get $57, 86.931, 311.344$, and if you desaturate by 10%, it is $70, 57.873, 310.247$.

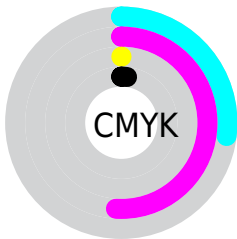
Distribution



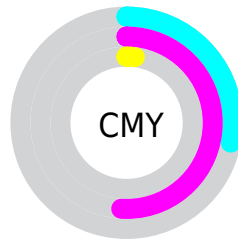
- Red (72%)
- Green (49%)
- Blue (98%)



- Red (72%)
- Yellow (49%)
- Blue (98%)



- Cyan (27%)
- Magenta (51%)
- Yellow (0%)
- Black (2%)





- Cyan (28%)
- Magenta (51%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 72.603, 310.823 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 63, 72.603, 310.823 by changing the saturation by 10% instead.


 63, 72.603,
310.823


 63, 72.603,
310.823


 100, 72.603,
310.823


 53, 72.603,
310.823


 83, 72.603,
310.823

 43, 72.603,
310.823

 93, 72.603,
310.823

 33, 72.603,
310.823

 23, 72.603,
310.823

 13, 72.603,
310.823

 3, 72.603, 310.823

 0, 72.603, 310.823

63, 72.603,
310.823

63, 72.603,
310.823

57, 86.931,
311.344

70, 57.873,
310.247

51, 100.206,
311.732

77, 43.150,
309.665

46, 111.485,
311.877

84, 28.662,
309.107

42, 119.694,
311.653

91, 14.530,
308.587

39, 124.309,
311.077

98, 0.808, 307.967

100, 1.997,
109.990

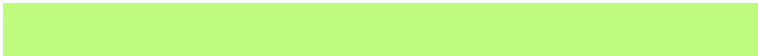
Harmonies

Complementary

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



63, 72.603, 310.823



92, 66.927, 125.726

Rectangle

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



63, 72.603, 310.823



63, 72.603, 0.823



63, 72.603, 130.823



63, 72.603, 180.823

Sweetspot

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



63, 72.602, 310.823



89, 20.978, 308.812



75, 36.244, 261.363



46, 14.356, 308.922



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 72.602, 310.823



57, 88.616, 311.366



70, 77.034, 326.079



48, 7.758, 308.532



29, 100.113, 311.272



5, 43.216, 311.895

Inverse Universe

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



69, 57.179, 347.506



65, 67.978, 349.196



89, 77.239, 139.582



49, 6.395, 342.933



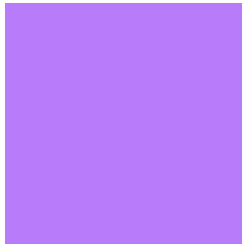
41, 67.946, 359.472



10, 31.349, 354.074

Previews

White Background



This preview shows how the CIELCh color 63, 72.603, 310.823 looks on a white background.

Color Contrast Check

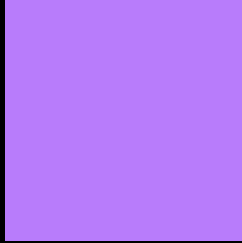
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 63, 72.603, 310.823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

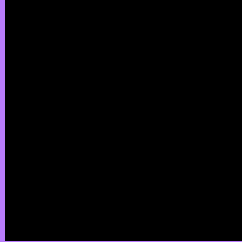
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 72.603, 310.823

Background



This preview shows how black text looks on a background with the CIELCh color 63, 72.603, 310.823.



This preview shows how white text looks on a background with the CIELCh color 63, 72.603, 310.823.

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
63, 72.603, 310.823

Protanopia
63, 59.431, 286.290

Deuteranopia
63, 52.326, 280.133



Tritanopia
63, 9.882, 341.965

Trichromacy



Original Color
63, 72.603, 310.823



Protanomaly
63, 63.666, 295.626



Deuteranomaly
62, 58.729, 292.766



Tritanomaly
63, 32.140, 315.034

Monochromacy



Original Color
63, 72.603, 310.823



Achromatopsia
64, 0.008, 296.813



Achromatomaly
63, 27.553, 309.157

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 72.603, 310.823 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(184, 124, 251)` looks like.

```
.text, #text, p{  
    color:rgb(184, 124, 251)  
}
```

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(184, 124, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 124, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 72.603, 310.823 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(184, 124, 251) }
```

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

```
.border{ border-color:rgb(184, 124, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 124, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 124, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 124, 251);  
box-shadow:4px 4px 4px 4px rgb(184, 124,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 72.603, 310.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 124, 251) }
```

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

```
.background{ background-color: rgb(184,  
124, 251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor