

Converting Colors

CIELCh(30, 117.813, 307.746)

Have a look what the booklet for
CIELCh(30, 117.813, 307.746)
contains.

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Color

CIELCh(30, 117.595, 307.774)

Conversions

Conversions Part 1

Format	Color
Hex	3B01DE
RGB	59, 1, 222
RGB Percent	23%, 0%, 87%
CMY	0.7681, 0.9956, 0.1291
CMYK	0.73, 0.99, 0.00, 0.13
HSL	256°, 99%, 44%
HSV	256°, 99%, 87%
XYZ	15.0178, 6.2359, 69.5718
YIQ	43.5360, -36.3730, 81.0270

Conversions

Conversions Part 2

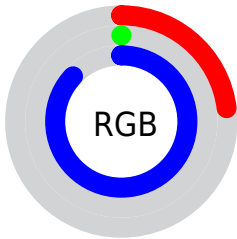
Format	Color
R _Y B	59, 1, 222
Decimal	3867102
CIE Lab	30.00, 72.03, -92.95
CIE LCh	30, 117.595, 307.774
Yxy	6.2359, 0.1653, 0.0687
Android (android.graphics.Color)	4282057182 (0xFF3B01DE)
YUV	43.5360, 87.9828, 13.5619
Hunter-Lab	24.9718, 63.6478, -147.7026

Details

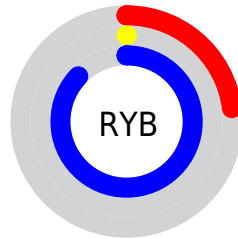
The CIELCh color **30, 117.595, 307.774** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **82, 91.023, 118.134**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 104.911, 308.552**, and **19, 96.606, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 117.855, 307.775**, and if you desaturate by 10%, it is **33, 111.810, 307.802**.

Distribution



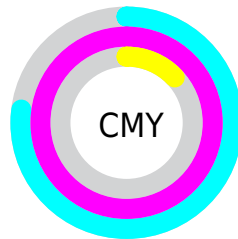
- Red (23%)
- Green (0%)
- Blue (87%)



- Red (23%)
- Yellow (0%)
- Blue (87%)



- Cyan (73%)
- Magenta (99%)
- Yellow (0%)
- Black (13%)





- Cyan (77%)
- Magenta (100%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 117.595, 307.774 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 30, 117.595, 307.774 by changing the saturation by 10% instead.


 30, 117.595,
307.774


 30, 117.595,
307.774


 100, 117.595,
307.774


 20, 117.595,
307.774


 50, 117.595,
307.774


 10, 117.595,
307.774

 60, 117.595,
307.774

 0, 117.595,
307.774

 70, 117.595,
307.774

 80, 117.595,
307.774

 90, 117.595,
307.774

■ 30, 117.595,
307.774

■ 30, 117.595,
307.774

■ 30, 117.855,
307.775

■ 33, 111.810,
307.802

■ 37, 102.502,
307.356

■ 42, 90.558,
306.534

■ 48, 77.294,
305.528

■ 55, 63.606,
304.480

■ 61, 49.993,
303.473

■ 68, 36.698,
302.548

■ 75, 23.822,

301.720

■ 82, 11.397,
300.990

Harmonies

Complementary

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



30, 117.595, 307.774



82, 91.023, 118.134

Rectangle

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



30, 117.595, 307.774



30, 117.595, 357.774



30, 117.595, 127.774



30, 117.595, 177.774

Sweetspot

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



30, 117.597, 307.775



77, 41.804, 302.612



64, 41.273, 246.638



38, 28.735, 302.997



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



30, 117.597, 307.775



35, 130.942, 307.714



44, 106.838, 318.919



43, 6.870, 300.986



23, 98.870, 307.902



3, 32.186, 302.230

Inverse Universe

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



50, 85.039, 342.352



57, 94.289, 342.575



78, 105.042, 134.091



44, 6.787, 333.407



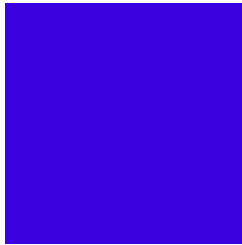
39, 71.681, 342.151



7, 30.098, 339.351

Previews

White Background



This preview shows how the CIELCh color 30, 117.595, 307.774 looks on a white background.

Color Contrast Check

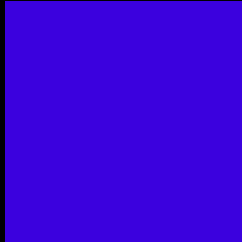
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 30, 117.595, 307.774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

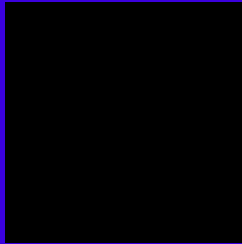
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 117.595, 307.774

Background



This preview shows how black text looks on a background with the CIELCh color 30, 117.595, 307.774.



This preview shows how white text looks on a background with the CIELCh color 30, 117.595, 307.774.

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

30, 117.595, 307.774

Protanopia

31, 48.718, 285.130

Deuteranopia

30, 33.842, 270.906



Tritanopia
30, 21.063, 203.604

Trichromacy



Original Color
30, 117.595, 307.774

Protanomaly
27, 81.222, 300.863

Deuteranomaly
26, 72.207, 299.272

Tritanomaly
25, 54.241, 294.429

Monochromacy



Original Color
30, 117.595, 307.774

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 54.106, 306.778

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 117.595, 307.774 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(59, 1, 222)` looks like.

```
.text, #text, p{  
  color:rgb(59, 1, 222)  
}
```

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(59, 1, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 1, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 117.595, 307.774 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(59, 1, 222) }
```

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

```
.border{ border-color:rgb(59, 1, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 1, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 1, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 1, 222);  
box-shadow:4px 4px 4px 4px rgb(59, 1, 222)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 117.595, 307.774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 1, 222) }
```

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

```
.background{ background-color: rgb(59, 1,  
222) }
```

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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