

Converting Colors

CIELCh(30, 120.658, 307.276)

Have a look what the booklet for
CIELCh(30, 120.658, 307.276)
contains.

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Color

CIELCh(30, 120.455, 307.268)

Conversions

Conversions Part 1

Format	Color
Hex	3101E3
RGB	49, 1, 227
RGB Percent	19%, 0%, 89%
CMY	0.8070, 0.9954, 0.1094
CMYK	0.78, 0.99, 0.00, 0.11
HSL	253°, 99%, 45%
HSV	253°, 99%, 89%
XYZ	15.1697, 6.2359, 73.1557
YIQ	41.1160, -43.9380, 80.4620

Conversions

Conversions Part 2

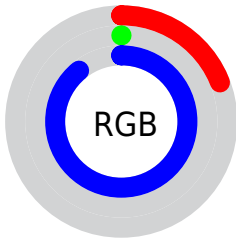
Format	Color
RYB	49, 1, 227
Decimal	3211747
CIELab	30.00, 72.94, -95.86
CIElCh	30, 120.455, 307.268
Yxy	6.2359, 0.1604, 0.0659
Android (android.graphics.Color)	4281401827 (0xFF3101E3)
YUV	41.1160, 91.6408, 6.9143
Hunter-Lab	24.9718, 64.7335, -156.2118

Details

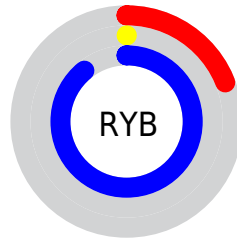
The CIELCh color **30, 120.455, 307.268** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **84, 91.342, 115.511**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 105.132, 307.946**, and **20, 98.759, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 120.719, 307.277**, and if you desaturate by 10%, it is **33, 114.578, 307.141**.

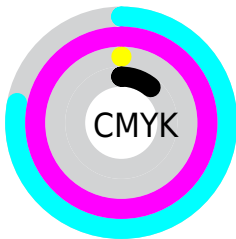
Distribution



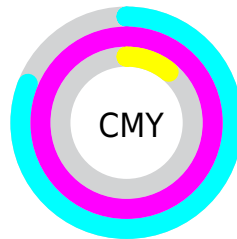
- Red (19%)
- Green (0%)
- Blue (89%)



- Red (19%)
- Yellow (0%)
- Blue (89%)



- Cyan (78%)
- Magenta (99%)
- Yellow (0%)
- Black (11%)





- Cyan (81%)
- Magenta (100%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 120.455, 307.268 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, 120.455, 307.268 by changing the saturation by 10% instead.


 30, 120.455,
307.268


 30, 120.455,
307.268


 100, 120.455,
307.268


 20, 120.455,
307.268


 50, 120.455,
307.268


 10, 120.455,
307.268

 60, 120.455,
307.268

 0, 120.455,
307.268

 70, 120.455,
307.268

 80, 120.455,
307.268

 90, 120.455,
307.268

■ 30, 120.455,
307.268

■ 30, 120.455,
307.268

■ 30, 120.719,
307.277

■ 33, 114.578,
307.141

■ 37, 104.906,
306.507

■ 42, 92.486,
305.482

■ 49, 78.763,
304.283

■ 55, 64.688,
303.065

■ 62, 50.762,
301.915

■ 69, 37.215,
300.872

■ 76, 24.131,

299.950

■ 84, 11.530,
299.144

Harmonies

Complementary

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



30, 120.455, 307.268



84, 91.342, 115.511

Rectangle

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



30, 120.455, 307.268



30, 120.455, 357.268



30, 120.455, 127.268



30, 120.455, 177.268

Sweetspot

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



30, 120.457, 307.269



77, 41.646, 300.942



69, 40.261, 235.950



37, 28.639, 301.373



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, 120.457, 307.269



34, 131.850, 307.234



43, 109.632, 317.270



44, 6.961, 299.142



22, 100.661, 307.387



3, 34.152, 301.832

Inverse Universe

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



51, 89.609, 339.056



58, 97.736, 339.205



80, 105.756, 133.285



45, 7.164, 331.544



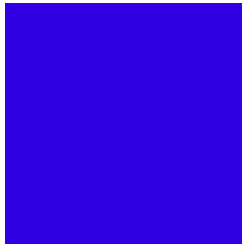
40, 75.044, 338.908



8, 32.256, 336.933

Previews

White Background



This preview shows how the CIELCh color 30, 120.455, 307.268 looks on a white background.

Color Contrast Check

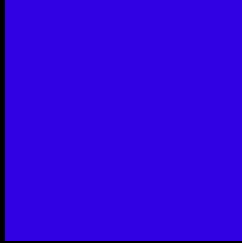
Large Text (above 18pt) WCAG AA ✓ Pass

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, 120.455, 307.268 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, 120.455, 307.268

Background



This preview shows how black text looks on a background with the CIELCh color 30, 120.455, 307.268.



This preview shows how white text looks on a background with the CIELCh color 30, 120.455, 307.268.

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, 120.455, 307.268

Protanopia

30, 49.372, 285.761

Deuteranopia

30, 33.311, 270.184



Tritanopia
30, 21.063, 203.604

Trichromacy



Original Color
30, 120.455, 307.268

Protanomaly
27, 82.449, 300.978

Deuteranomaly
26, 72.187, 298.828

Tritanomaly
25, 55.510, 294.370

Monochromacy



Original Color
30, 120.455, 307.268

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 54.991, 305.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 120.455, 307.268 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(49, 1, 227)` looks like.

```
.text, #text, p{  
    color:rgb(49, 1, 227)  
}
```

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(49, 1, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 1, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 120.455, 307.268 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(49, 1, 227) }
```

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

```
.border{ border-color:rgb(49, 1, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 1, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 1, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 1, 227);  
box-shadow:4px 4px 4px 4px rgb(49, 1, 227)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 120.455, 307.268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 1, 227) }
```

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

```
.background{ background-color: rgb(49, 1,  
227) }
```

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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