

Converting Colors

CIELCh(30, 120.289, 305.702)

Have a look what the booklet for
CIELCh(30, 120.289, 305.702)
contains.

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Color

CIELCh(30, 120.254, 305.720)

Conversions

Conversions Part 1

Format	Color
Hex	1011E6
RGB	16, 17, 230
RGB Percent	6%, 7%, 90%
CMY	0.9382, 0.9326, 0.0975
CMYK	0.93, 0.93, 0.00, 0.10
HSL	240°, 87%, 48%
HSV	240°, 93%, 90%
XYZ	14.7156, 6.2359, 75.3987
YIQ	40.9830, -68.9690, 66.0310

Conversions

Conversions Part 2

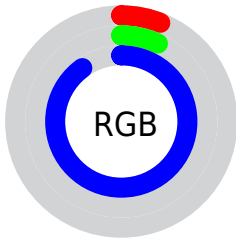
Format	Color
R _Y B	16, 17, 230
Decimal	1053158
CIE Lab	30.00, 70.21, -97.63
CIE LCh	30, 120.254, 305.720
Yxy	6.2359, 0.1527, 0.0647
Android (android.graphics.Color)	4279243238 (0xFF1011E6)
YUV	40.9830, 93.1854, -21.9101
Hunter-Lab	24.9718, 61.4877, -161.5373

Details

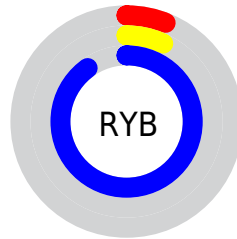
The CIELCh color **30, 120.254, 305.720** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **88, 87.933, 102.555**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 103.075, 305.961**, and **20, 100.044, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **29, 123.555, 306.226**, and if you desaturate by 10%, it is **33, 111.633, 304.373**.

Distribution



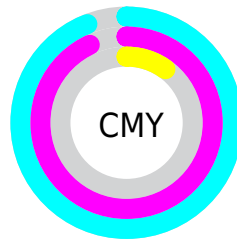
- Red (6%)
- Green (7%)
- Blue (90%)



- Red (6%)
- Yellow (7%)
- Blue (90%)



- Cyan (93%)
- Magenta (93%)
- Yellow (0%)
- Black (10%)





- Cyan (94%)
- Magenta (93%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 120.254, 305.720 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, 120.254, 305.720 by changing the saturation by 10% instead.


 30, 120.254,
305.720


 30, 120.254,
305.720


 100, 120.254,
305.720


 20, 120.254,
305.720


 50, 120.254,
305.720


 10, 120.254,
305.720

 60, 120.254,
305.720

 0, 120.254,
305.720

 70, 120.254,
305.720

 80, 120.254,
305.720

 90, 120.254,
305.720

■ 30, 120.254,
305.720

■ 30, 120.254,
305.720

■ 29, 123.555,
306.226

■ 33, 111.633,
304.373

■ 38, 99.160,
302.408

■ 45, 84.887,
300.174

■ 52, 70.226,
297.962

■ 59, 55.848,
295.934

■ 66, 41.994,
294.154

■ 74, 28.711,
292.626

■ 81, 15.981,

291.329

■ 89, 3.766, 290.244

Harmonies

Complementary

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



30, 120.254, 305.720



88, 87.933, 102.555

Rectangle

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



30, 120.254, 305.720



30, 120.254, 355.720



30, 120.254, 125.720



30, 120.254, 175.720

Sweetspot

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



30, 120.256, 305.721



77, 38.128, 293.360



83, 46.530, 194.003



38, 26.568, 294.046



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, 120.256, 305.721



32, 133.553, 306.234



38, 113.034, 311.792



44, 6.834, 290.902



21, 102.078, 306.203



2, 33.520, 296.650

Inverse Universe

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



49, 92.856, 38.218



53, 104.308, 39.815



82, 98.269, 126.923



45, 4.816, 19.396



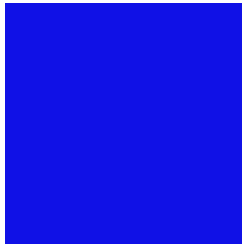
37, 79.685, 39.700



6, 27.082, 21.484

Previews

White Background



This preview shows how the CIE LCh color 30, 120.254, 305.720 looks on a white background.

Color Contrast Check

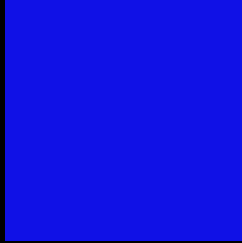
Large Text (above 18pt) WCAG AA ✓ Pass

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, 120.254, 305.720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

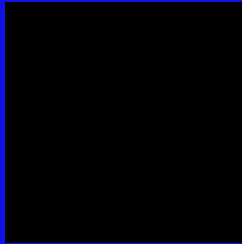
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 120.254, 305.720

Background



This preview shows how black text looks on a background with the CIELCh color 30, 120.254, 305.720.



This preview shows how white text looks on a background with the CIELCh color 30, 120.254, 305.720.

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, 120.231, 305.734

Protanopia

30, 48.853, 285.737

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 20.988, 201.826

Trichromacy



Original Color
30, 120.231, 305.734

Protanomaly
28, 78.859, 299.090

Deuteranomaly
27, 68.989, 296.686

Tritanomaly
26, 51.455, 290.363

Monochromacy



Original Color
30, 120.231, 305.734

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 52.751, 301.186

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 120.254, 305.720 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(16, 17, 230)` looks like.

```
.text, #text, p{  
    color:rgb(16, 17, 230)  
}
```

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(16, 17, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 17, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 120.254, 305.720 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(16, 17, 230) }
```

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

```
.border{ border-color:rgb(16, 17, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 17, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 17, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 17, 230);  
box-shadow:4px 4px 4px 4px rgb(16, 17,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 120.254, 305.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 17, 230) }
```

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

```
.background{ background-color: rgb(16, 17,  
230) }
```

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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