

Converting Colors

CIELCh(30, 126.658, 306.290)

Have a look what the booklet for
CIELCh(30, 126.658, 306.290)
contains.

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Color

CIELCh(30, 126.723, 306.305)

Conversions

Conversions Part 1

Format	Color
Hex	0601EE
RGB	6, 1, 238
RGB Percent	2%, 0%, 93%
CMY	0.9756, 0.9961, 0.0666
CMYK	0.97, 1.00, 0.00, 0.07
HSL	241°, 99%, 47%
HSV	241°, 100%, 93%
XYZ	15.5231, 6.2359, 81.2872
YIQ	29.5130, -73.0970, 74.7670

Conversions

Conversions Part 2

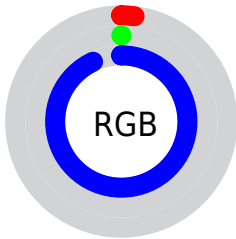
Format	Color
R _Y B	6, 1, 238
Decimal	393710
CIE Lab	30.00, 75.03, -102.12
CIE LCh	30, 126.723, 306.305
Yxy	6.2359, 0.1506, 0.0605
Android (android.graphics.Color)	4278583790 (0xFF0601EE)
YUV	29.5130, 102.7841, -20.6209
Hunter-Lab	24.9718, 67.2594, -175.5182

Details

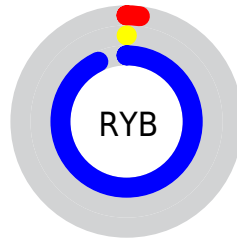
The CIELCh color **30, 126.723, 306.305** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **91, 91.951, 104.236**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 106.127, 306.803**, and **21, 103.029, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 126.915, 306.334**, and if you desaturate by 10%, it is **32, 121.190, 305.550**.

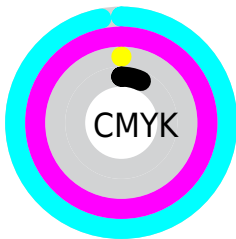
Distribution



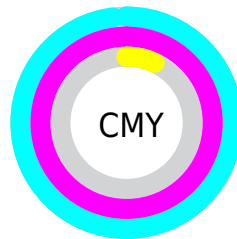
- Red (2%)
- Green (0%)
- Blue (93%)



- Red (2%)
- Yellow (0%)
- Blue (93%)



- Cyan (97%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)





- Cyan (98%)
- Magenta (100%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 126.723, 306.305 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, 126.723, 306.305 by changing the saturation by 10% instead.


 30, 126.723,
306.305


 30, 126.723,
306.305


 100, 126.723,
306.305


 20, 126.723,
306.305


 50, 126.723,
306.305


 10, 126.723,
306.305

 60, 126.723,
306.305

 0, 126.723,
306.305

 70, 126.723,
306.305

 80, 126.723,
306.305

 90, 126.723,
306.305

■ 30, 126.723,
306.305

■ 30, 126.723,
306.305

■ 30, 126.915,
306.334

■ 32, 121.190,
305.550

■ 36, 110.902,
304.107

■ 42, 97.310,
302.161

■ 49, 82.384,
300.049

■ 56, 67.312,
298.009

■ 63, 52.623,
296.164

■ 71, 38.492,
294.554

■ 79, 24.946,

293.175

■ 87, 11.960,
292.005

Harmonies

Complementary

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



30, 126.723, 306.305



91, 91.951, 104.236

Rectangle

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



30, 126.723, 306.305



30, 126.723, 356.305



30, 126.723, 126.305



30, 126.723, 176.305

Sweetspot

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



30, 126.726, 306.306



75, 41.330, 294.634



85, 46.425, 199.047



37, 28.455, 295.292



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, 126.726, 306.306



32, 133.720, 306.330



39, 118.038, 312.129



46, 7.134, 291.994



22, 104.443, 306.352



3, 37.861, 299.265

Inverse Universe

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



56, 107.728, 329.133



60, 113.558, 329.142



84, 104.228, 128.799



47, 8.481, 325.537



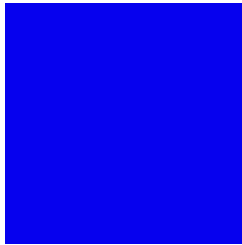
43, 88.758, 329.124



10, 38.839, 328.997

Previews

White Background



This preview shows how the CIE LCh color 30, 126.723, 306.305 looks on a white background.

Color Contrast Check

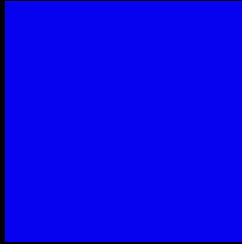
Large Text (above 18pt) WCAG AA ✓ Pass

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, 126.723, 306.305 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, 126.723, 306.305

Background



This preview shows how black text looks on a background with the CIELCh color 30, 126.723, 306.305.



This preview shows how white text looks on a background with the CIELCh color 30, 126.723, 306.305.

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, 126.723, 306.305

Protanopia

31, 48.718, 285.130

Deuteranopia

30, 33.311, 270.184



Tritanopia
30, 21.063, 203.604

Trichromacy



Original Color
30, 126.723, 306.305

Protanomaly
27, 84.211, 300.532

Deuteranomaly
26, 75.290, 298.868

Tritanomaly
25, 58.090, 294.005

Monochromacy



Original Color
30, 126.723, 306.305

Achromatopsia
11, 0.003, 296.813

Achromatomaly
14, 59.268, 303.604

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 126.723, 306.305 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(6, 1, 238)` looks like.

```
.text, #text, p{  
    color:rgb(6, 1, 238)  
}
```

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(6, 1, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 1, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 126.723, 306.305 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(6, 1, 238) }
```

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

```
.border{ border-color:rgb(6, 1, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 1, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 1, 238); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 1, 238); box-shadow:4px  
4px 4px 4px rgb(6, 1, 238) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 126.723, 306.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 1, 238) }
```

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

```
.background{ background-color: rgb(6, 1,  
238) }
```

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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