

Converting Colors

CIELCh(28, 120.938, 306.287)

Have a look what the booklet for
CIELCh(28, 120.938, 306.287)
contains.

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Color

CIELCh(28, 120.833, 306.265)

Conversions

Conversions Part 1

Format	Color
Hex	0602E0
RGB	6, 2, 224
RGB Percent	2%, 1%, 88%
CMY	0.9775, 0.9925, 0.1218
CMYK	0.97, 0.99, 0.00, 0.12
HSL	241°, 98%, 44%
HSV	241°, 99%, 88%
XYZ	13.5394, 5.4574, 70.8238
YIQ	28.5040, -68.8780, 69.8900

Conversions

Conversions Part 2

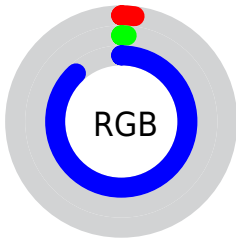
Format	Color
RYB	6, 2, 224
Decimal	393952
CIELab	28.00, 71.48, -97.43
CIELCh	28, 120.833, 306.265
Yxy	5.4574, 0.1507, 0.0608
Android (android.graphics.Color)	4278584032 (0xFF0602E0)
YUV	28.5040, 96.3795, -19.7360
Hunter-Lab	23.3610, 62.5721, -163.3972

Details

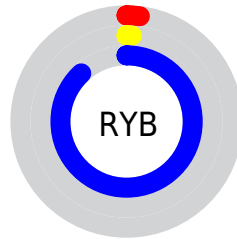
The CIELCh color **28, 120.833, 306.265** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **86, 87.722, 103.940**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 106.813, 306.492**, and **19, 97.469, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 121.230, 306.327**, and if you desaturate by 10%, it is **30, 115.208, 305.444**.

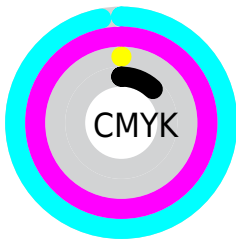
Distribution



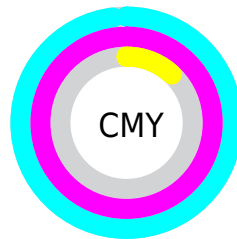
- Red (2%)
- Green (1%)
- Blue (88%)



- Red (2%)
- Yellow (1%)
- Blue (88%)



- Cyan (97%)
- Magenta (99%)
- Yellow (0%)
- Black (12%)





- Cyan (98%)
- Magenta (99%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 120.833, 306.265 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 28, 120.833, 306.265 by changing the saturation by 10% instead.


 28, 120.833,
306.265


 28, 120.833,
306.265


 100, 120.833,
306.265


 18, 120.833,
306.265


 48, 120.833,
306.265


 8, 120.833,
306.265


 58, 120.833,
306.265

 0, 120.833,
306.265

 68, 120.833,
306.265

 78, 120.833,
306.265

 88, 120.833,
306.265

 98, 120.833,

306.265

■ 28, 120.833,
306.265

■ 28, 120.833,
306.265

■ 28, 121.230,
306.327

■ 30, 115.208,
305.444

■ 34, 105.119,
303.937

■ 40, 92.031,
301.951

■ 46, 77.777,
299.819

■ 53, 63.437,
297.773

■ 60, 49.481,
295.928

■ 68, 36.061,
294.321

■ 75, 23.197,
292.945

■ 82, 10.863,
291.778

Harmonies

Complementary

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



28, 120.833, 306.265



86, 87.722, 103.940

Rectangle

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



28, 120.833, 306.265



28, 120.833, 356.265



28, 120.833, 126.265



28, 120.833, 176.265

Sweetspot

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



28, 120.836, 306.266



75, 41.328, 294.481



80, 44.323, 199.028



37, 28.454, 295.145



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



28, 120.836, 306.266



32, 133.741, 306.321



36, 112.506, 312.193



43, 6.756, 291.809



21, 101.215, 306.341



2, 31.658, 296.249

Inverse Universe

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



53, 103.204, 328.928



60, 113.987, 328.943



80, 99.338, 128.698



44, 8.059, 325.404



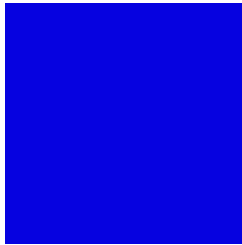
42, 86.321, 328.927



8, 35.516, 328.806

Previews

White Background



This preview shows how the CIE LCh color 28, 120.833, 306.265 looks on a white background.

Color Contrast Check

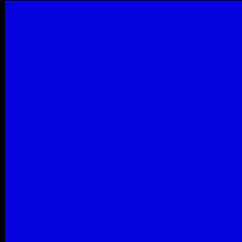
Large Text (above 18pt) WCAG AA ✓ Pass

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 28, 120.833, 306.265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

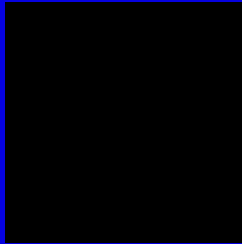
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 120.833, 306.265

Background



This preview shows how black text looks on a background with the CIELCh color 28, 120.833, 306.265.



This preview shows how white text looks on a background with the CIELCh color 28, 120.833, 306.265.

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

28, 120.833, 306.265

Protanopia

28, 46.695, 285.315

Deuteranopia

28, 31.683, 269.583



Tritanopia
28, 20.141, 204.020

Trichromacy



Original Color
28, 120.833, 306.265

Protanomaly
25, 80.664, 300.525

Deuteranomaly
25, 70.971, 298.444

Tritanomaly
23, 55.394, 293.840

Monochromacy



Original Color
28, 120.833, 306.265

Achromatopsia
10, 0.003, 296.813

Achromatomaly
13, 55.253, 303.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 120.833, 306.265 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, 2, 224)` looks like.

```
.text, #text, p{  
    color:rgb(6, 2, 224)  
}
```

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, 2, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 2, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 120.833, 306.265 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, 2, 224) }
```

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

```
.border{ border-color:rgb(6, 2, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 2, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 2, 224); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 2, 224); box-shadow:4px  
4px 4px 4px rgb(6, 2, 224) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 120.833, 306.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 2, 224) }
```

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

```
.background{ background-color: rgb(6, 2,  
224) }
```

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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