

Converting Colors

CIELCh(27, 118.341, 306.300)

Have a look what the booklet for
CIELCh(27, 118.341, 306.300)
contains.

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Color

CIELCh(27, 118.142, 306.309)

Conversions

Conversions Part 1

Format	Color
Hex	0701D9
RGB	7, 1, 217
RGB Percent	3%, 0%, 85%
CMY	0.9717, 0.9951, 0.1483
CMYK	0.97, 0.99, 0.00, 0.15
HSL	242°, 99%, 43%
HSV	242°, 99%, 85%
XYZ	12.6528, 5.0937, 66.0931
YIQ	27.4180, -65.7600, 68.4480

Conversions

Conversions Part 2

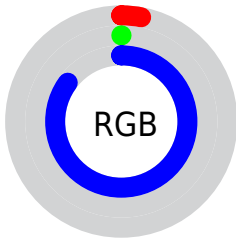
Format	Color
RYB	7, 1, 217
Decimal	459225
CIELab	27.00, 69.96, -95.20
CIELCh	27, 118.142, 306.309
Yxy	5.0937, 0.1509, 0.0608
Android (android.graphics.Color)	4278649305 (0xFF0701D9)
YUV	27.4180, 93.4639, -17.9066
Hunter-Lab	22.5692, 60.5755, -157.8303

Details

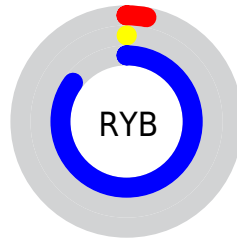
The CIELCh color **27, 118.142, 306.309** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **84, 85.801, 104.576**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 107.904, 306.516**, and **18, 94.441, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 118.417, 306.354**, and if you desaturate by 10%, it is **29, 112.594, 305.509**.

Distribution



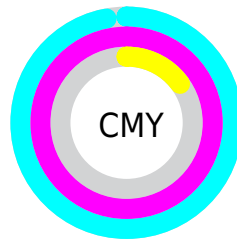
- Red (3%)
- Green (0%)
- Blue (85%)



- Red (3%)
- Yellow (0%)
- Blue (85%)



- Cyan (97%)
- Magenta (99%)
- Yellow (0%)
- Black (15%)





- Cyan (97%)
- Magenta (100%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 118.142, 306.309 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 27, 118.142, 306.309 by changing the saturation by 10% instead.


 27, 118.142,
306.309


 27, 118.142,
306.309


 100, 118.142,
306.309


 17, 118.142,
306.309


 47, 118.142,
306.309


 7, 118.142,
306.309


 57, 118.142,
306.309

 0, 118.142,
306.309

 67, 118.142,
306.309

 77, 118.142,
306.309

 87, 118.142,
306.309

 97, 118.142,

306.309

■ 27, 118.142,
306.309

■ 27, 118.142,
306.309

■ 27, 118.417,
306.354

■ 29, 112.594,
305.509

■ 33, 102.796,
304.058

■ 38, 90.079,
302.135

■ 45, 76.208,
300.062

■ 51, 62.235,
298.068

■ 58, 48.621,
296.265

■ 66, 35.521,
294.690

■ 73, 22.961,
293.340

■ 80, 10.916,
292.192

Harmonies

Complementary

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



27, 118.142, 306.309



84, 85.801, 104.576

Rectangle

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



27, 118.142, 306.309



27, 118.142, 356.309



27, 118.142, 126.309



27, 118.142, 176.309

Sweetspot

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



27, 118.145, 306.310



75, 41.333, 294.815



78, 43.326, 199.029



37, 28.456, 295.465



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



27, 118.145, 306.310



32, 133.696, 306.341



35, 110.026, 312.196



42, 6.630, 292.194



20, 100.071, 306.375



2, 29.633, 295.595

Inverse Universe

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



51, 100.080, 329.360



60, 113.053, 329.380



78, 97.132, 128.698



43, 7.853, 325.685



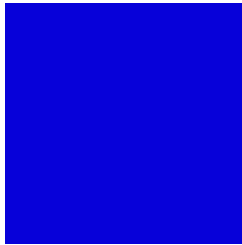
41, 84.711, 329.352



7, 33.904, 329.088

Previews

White Background



This preview shows how the CIE LCh color 27, 118.142, 306.309 looks on a white background.

Color Contrast Check

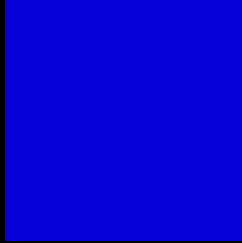
Large Text (above 18pt) WCAG AA ✓ Pass

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 27, 118.142, 306.309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

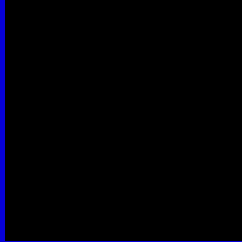
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 118.142, 306.309

Background



This preview shows how black text looks on a background with the CIELCh color 27, 118.142, 306.309.



This preview shows how white text looks on a background with the CIELCh color 27, 118.142,

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

27, 118.120, 306.320

Protanopia

27, 45.641, 285.251

Deuteranopia

28, 31.129, 269.660



Tritanopia
28, 19.875, 202.208

Trichromacy



Original Color
27, 118.120, 306.320

Protanomaly
25, 78.551, 300.429

Deuteranomaly
24, 69.345, 298.364

Tritanomaly
22, 53.057, 293.358

Monochromacy



Original Color
27, 118.120, 306.320

Achromatopsia
10, 0.003, 296.813

Achromatomaly
12, 54.703, 303.363

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 118.142, 306.309 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(7, 1, 217)` looks like.

```
.text, #text, p{  
    color:rgb(7, 1, 217)  
}
```

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(7, 1, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 1, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 118.142, 306.309 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(7, 1, 217) }
```

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

```
.border{ border-color:rgb(7, 1, 217) }
```

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

Here you see how a box with a 4 pixel rgb(7, 1, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 1, 217); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 1, 217); box-shadow:4px  
4px 4px 4px rgb(7, 1, 217) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 118.142, 306.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 1, 217) }
```

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

```
.background{ background-color: rgb(7, 1,  
217) }
```

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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