

Converting Colors

CIELCh(27, 118.126, 306.232)

Have a look what the booklet for
CIELCh(27, 118.126, 306.232)
contains.

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Color

CIELCh(27, 118.010, 306.230)

Conversions

Conversions Part 1

Format	Color
Hex	0402D9
RGB	4, 2, 217
RGB Percent	2%, 1%, 85%
CMY	0.9840, 0.9912, 0.1483
CMYK	0.98, 0.99, 0.00, 0.15
HSL	241°, 98%, 43%
HSV	241°, 99%, 85%
XYZ	12.6217, 5.0937, 66.0812
YIQ	27.1080, -67.8230, 67.2890

Conversions

Conversions Part 2

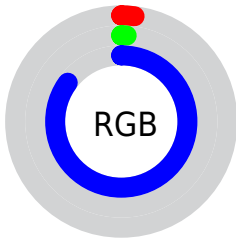
Format	Color
R_{YB}	4, 2, 217
Decimal	262873
CIE _{Lab}	27.00, 69.75, -95.19
CIE _{LCh}	27, 118.010, 306.230
Yxy	5.0937, 0.1506, 0.0608
Android (android.graphics.Color)	4278452953 (0xFF0402D9)
YUV	27.1080, 93.6168, -20.2657
Hunter-Lab	22.5692, 60.3295, -157.7992

Details

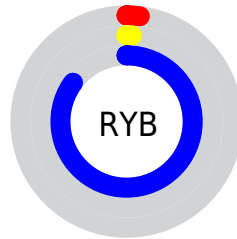
The CIELCh color **27, 118.010, 306.230** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **84, 85.661, 103.401**, and the grayscale version is **9, 0.003, 296.813**.

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, 118.498, 306.308**, and if you desaturate by 10%, it is **29, 112.367, 305.360**.

Distribution



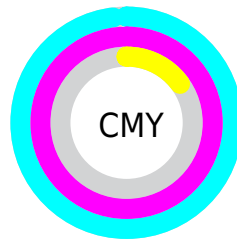
- Red (2%)
- Green (1%)
- Blue (85%)



- Red (2%)
- Yellow (1%)
- Blue (85%)



- Cyan (98%)
- Magenta (99%)
- Yellow (0%)
- Black (15%)





- Cyan (98%)
- Magenta (99%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 118.010, 306.230 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, 118.010, 306.230 by changing the saturation by 10% instead.


 27, 118.010,
306.230


 27, 118.010,
306.230


 100, 118.010,
306.230


 17, 118.010,
306.230


 47, 118.010,
306.230


 7, 118.010,
306.230


 57, 118.010,
306.230

 0, 118.010,
306.230

 67, 118.010,
306.230

 77, 118.010,
306.230

 87, 118.010,
306.230

 97, 118.010,

306.230

■ 27, 118.010,
306.230

■ 27, 118.010,
306.230

■ 27, 118.498,
306.308

■ 29, 112.367,
305.360

■ 33, 102.396,
303.795

■ 38, 89.552,
301.758

■ 45, 75.615,
299.582

■ 52, 61.620,
297.501

■ 59, 48.013,
295.629

■ 66, 34.935,
294.001

■ 73, 22.400,
292.609

■ 80, 10.382,
291.429

Harmonies

Complementary

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



27, 118.010, 306.230



84, 85.661, 103.401

Rectangle

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



27, 118.010, 306.230



27, 118.010, 356.230



27, 118.010, 126.230



27, 118.010, 176.230

Sweetspot

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



27, 118.013, 306.231



75, 41.325, 294.199



79, 44.337, 196.390



37, 28.452, 294.875



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, 118.013, 306.231



32, 133.779, 306.304



35, 110.220, 311.835



42, 6.628, 291.480



20, 100.170, 306.315



2, 29.611, 295.128

Inverse Universe

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



52, 101.502, 328.570



60, 114.779, 328.583



78, 96.455, 128.109



43, 7.955, 325.168



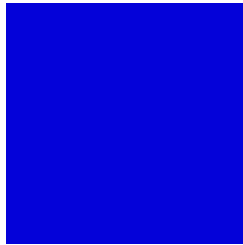
41, 85.973, 328.574



7, 34.352, 328.453

Previews

White Background



This preview shows how the CIELCh color 27, 118.010, 306.230 looks on a white background.

Color Contrast Check

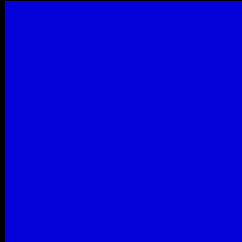
Large Text (above 18pt) WCAG AA ✓ Pass

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, 118.010, 306.230 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, 118.010, 306.230

Background



This preview shows how black text looks on a background with the CIELCh color 27, 118.010, 306.230.



This preview shows how white text looks on a background with the CIELCh color 27, 118.010,

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, 117.989, 306.241

Protanopia

27, 45.641, 285.251

Deuteranopia

28, 31.129, 269.660



Tritanopia
28, 19.875, 202.208

Trichromacy



Original Color
27, 117.989, 306.241

Protanomaly
25, 78.579, 300.364

Deuteranomaly
24, 69.369, 298.278

Tritanomaly
22, 53.080, 293.206

Monochromacy



Original Color
27, 117.989, 306.241

Achromatopsia
10, 0.003, 296.813

Achromatomaly
12, 54.159, 303.165

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 118.010, 306.230 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(4, 2, 217)` looks like.

```
.text, #text, p{  
    color:rgb(4, 2, 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(4, 2, 217) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 27, 118.010, 306.230 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(4, 2, 217) }
```

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

```
.border{ border-color:rgb(4, 2, 217) }
```

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

Here you see how a box with a 4 pixel rgb(4, 2, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 2, 217); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 2, 217); box-shadow:4px  
4px 4px 4px rgb(4, 2, 217) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 118.010, 306.230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 2, 217) }
```

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

```
.background{ background-color: rgb(4, 2,  
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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