

Converting Colors

CIELCh(27, 117.728, 306.139)

Have a look what the booklet for
CIELCh(27, 117.728, 306.139)
contains.

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Color

CIELCh(27, 117.663, 306.117)

Conversions

Conversions Part 1

Format	Color
Hex	0104D9
RGB	1, 4, 217
RGB Percent	0%, 2%, 85%
CMY	0.9976, 0.9848, 0.1493
CMYK	1.00, 0.98, 0.00, 0.15
HSL	239°, 99%, 43%
HSV	239°, 100%, 85%
XYZ	12.5636, 5.0937, 65.9140
YIQ	27.3850, -70.1610, 65.6070

Conversions

Conversions Part 2

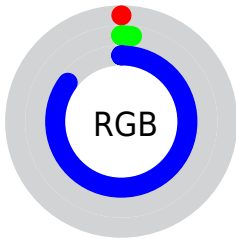
Format	Color
R _Y B	1, 4, 217
Decimal	66777
CIE Lab	27.00, 69.35, -95.05
CIE LCh	27, 117.663, 306.117
Yxy	5.0937, 0.1503, 0.0610
Android (android.graphics.Color)	4278256857 (0xFF0104D9)
YUV	27.3850, 93.4802, -23.1396
Hunter-Lab	22.5692, 59.8695, -157.3600

Details

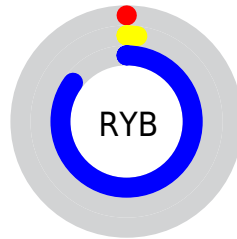
The CIELCh color **27, 117.663, 306.117** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **83, 84.758, 101.902**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 107.455, 306.300**, and **18, 94.441, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 117.798, 306.139**, and if you desaturate by 10%, it is **29, 111.931, 305.172**.

Distribution



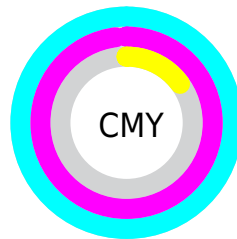
- Red (0%)
- Green (2%)
- Blue (85%)



- Red (0%)
- Yellow (2%)
- Blue (85%)



- Cyan (100%)
- Magenta (98%)
- Yellow (0%)
- Black (15%)





- Cyan (100%)
- Magenta (98%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 117.663, 306.117 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, 117.663, 306.117 by changing the saturation by 10% instead.


 27, 117.663,
306.117


 27, 117.663,
306.117


 100, 117.663,
306.117


 17, 117.663,
306.117


 47, 117.663,
306.117


 7, 117.663,
306.117


 57, 117.663,
306.117

 0, 117.663,
306.117

 67, 117.663,
306.117

 77, 117.663,
306.117

 87, 117.663,
306.117

 97, 117.663,

306.117

■ 27, 117.663,
306.117

■ 27, 117.663,
306.117

■ 27, 117.798,
306.139

■ 29, 111.931,
305.172

■ 33, 101.922,
303.491

■ 38, 89.164,
301.346

■ 45, 75.385,
299.073

■ 51, 61.579,
296.906

■ 58, 48.168,
294.959

■ 65, 35.279,
293.268

■ 73, 22.925,
291.823

■ 80, 11.074,
290.598

Harmonies

Complementary

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



27, 117.663, 306.117



83, 84.758, 101.902

Rectangle

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



27, 117.663, 306.117



27, 117.663, 356.117



27, 117.663, 126.117



27, 117.663, 176.117

Sweetspot

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



27, 117.666, 306.118



76, 40.660, 293.356



79, 44.902, 193.841



37, 27.992, 294.050



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, 117.666, 306.118



32, 133.227, 306.166



34, 110.842, 311.421



42, 6.526, 290.567



20, 99.504, 306.092



2, 29.292, 294.603

Inverse Universe

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



45, 91.760, 39.425



53, 103.980, 39.586



78, 96.096, 127.626



43, 4.638, 18.717



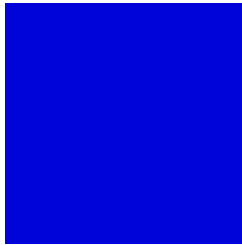
36, 77.586, 39.317



5, 23.816, 19.623

Previews

White Background



This preview shows how the CIELCh color 27, 117.663, 306.117 looks on a white background.

Color Contrast Check

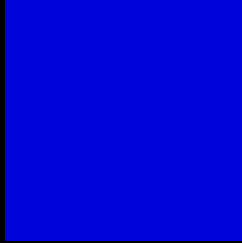
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.663, 306.117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

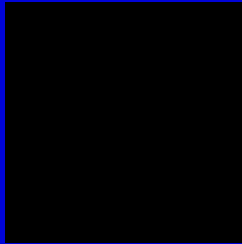
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 117.663, 306.117

Background



This preview shows how black text looks on a background with the CIELCh color 27, 117.663, 306.117.



This preview shows how white text looks on a background with the CIELCh color 27, 117.663, 306.117.

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, 117.663, 306.117

Protanopia

27, 45.641, 285.251

Deuteranopia

28, 30.598, 268.842



Tritanopia
28, 19.875, 202.208

Trichromacy



Original Color
27, 117.663, 306.117

Protanomaly
25, 78.592, 300.332

Deuteranomaly
24, 68.135, 297.785

Tritanomaly
22, 52.380, 292.606

Monochromacy



Original Color
27, 117.663, 306.117

Achromatopsia
10, 0.003, 296.813

Achromatomaly
12, 53.603, 302.538

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 117.663, 306.117 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(1, 4, 217)` looks like.

```
.text, #text, p{  
    color:rgb(1, 4, 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(1, 4, 217) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 27, 117.663, 306.117 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(1, 4, 217) }
```

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

```
.border{ border-color:rgb(1, 4, 217) }
```

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

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

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

Background

The CSS property to change the background color of an element to CIELCh 27, 117.663, 306.117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 4, 217) }
```

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

```
.background{ background-color: rgb(1, 4,  
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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