

Converting Colors

CIELCh(27, 116.051, 305.838)

Have a look what the booklet for
CIELCh(27, 116.051, 305.838)
contains.

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Color

CIELCh(27, 115.876, 305.870)

Conversions

Conversions Part 1

Format	Color
Hex	0009D7
RGB	0, 9, 215
RGB Percent	0%, 4%, 84%
CMY	1.0000, 0.9652, 0.1571
CMYK	1.00, 0.96, 0.00, 0.16
HSL	238°, 100%, 42%
HSV	238°, 100%, 84%
XYZ	12.3491, 5.0937, 64.5791
YIQ	29.7930, -71.4900, 62.1580

Conversions

Conversions Part 2

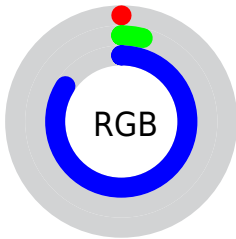
Format	Color
RYB	0, 9, 215
Decimal	2519
CIELab	27.00, 67.90, -93.90
CIELCh	27, 115.876, 305.870
Yxy	5.0937, 0.1506, 0.0621
Android (android.graphics.Color)	4278192599 (0xFF0009D7)
YUV	29.7930, 91.3071, -26.1285
Hunter-Lab	22.5692, 58.1734, -153.8530

Details

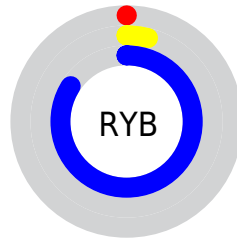
The CIELCh color **27, 115.876, 305.870** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **81, 82.612, 100.147**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 106.491, 305.960**, and **18, 93.572, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 115.871, 305.876**, and if you desaturate by 10%, it is **29, 109.491, 304.731**.

Distribution



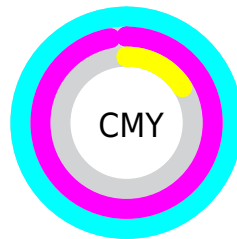
- Red (0%)
- Green (4%)
- Blue (84%)



- Red (0%)
- Yellow (4%)
- Blue (84%)



- Cyan (100%)
- Magenta (96%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (97%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 115.876, 305.870 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, 115.876, 305.870 by changing the saturation by 10% instead.


 27, 115.876,
305.870


 27, 115.876,
305.870


 100, 115.876,
305.870


 17, 115.876,
305.870


 47, 115.876,
305.870


 7, 115.876,
305.870


 57, 115.876,
305.870

 0, 115.876,
305.870

 67, 115.876,
305.870

 77, 115.876,
305.870

 87, 115.876,
305.870

 97, 115.876,

305.870

■ 27, 115.876,
305.870

■ 27, 115.876,
305.870

■ 27, 115.871,
305.876

■ 29, 109.491,
304.731

■ 33, 99.124,
302.850

■ 39, 86.473,
300.570

■ 45, 73.060,
298.211

■ 51, 59.720,
295.987

■ 58, 46.792,
293.999

■ 65, 34.371,
292.275

■ 72, 22.455,
290.801

■ 79, 11.014,
289.551

Harmonies

Complementary

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



27, 115.876, 305.870



81, 82.612, 100.147

Rectangle

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



27, 115.876, 305.870



27, 115.876, 355.870



27, 115.876, 125.870



27, 115.876, 175.870

Sweetspot

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



27, 115.871, 305.876



76, 39.507, 292.321



78, 45.947, 188.935



37, 27.193, 293.027



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, 115.871, 305.876



33, 132.206, 305.955



33, 110.989, 310.709



41, 6.227, 289.485



20, 97.176, 305.741



2, 26.781, 293.123

Inverse Universe

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



45, 90.225, 38.624



53, 102.999, 38.883



78, 94.470, 126.458



42, 4.551, 16.583



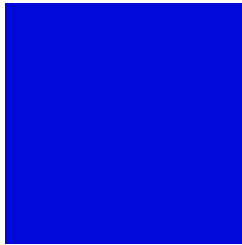
35, 75.613, 38.196



5, 21.972, 17.924

Previews

White Background



This preview shows how the CIELCh color 27, 115.876, 305.870 looks on a white background.

Color Contrast Check

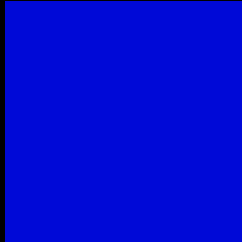
Large Text (above 18pt) WCAG AA ✓ Pass

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, 115.876, 305.870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

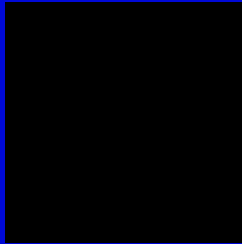
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 115.876, 305.870

Background



This preview shows how black text looks on a background with the CIELCh color 27, 115.876, 305.870.



This preview shows how white text looks on a background with the CIELCh color 27, 115.876, 305.870.

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, 115.876, 305.870

Protanopia

27, 45.045, 284.884

Deuteranopia

27, 31.119, 270.102



Tritanopia
28, 19.875, 202.208

Trichromacy



Original Color
27, 115.876, 305.870

Protanomaly
25, 76.229, 299.640

Deuteranomaly
24, 66.879, 297.315

Tritanomaly
23, 50.960, 291.517

Monochromacy



Original Color
27, 115.876, 305.870

Achromatopsia
11, 0.003, 296.813

Achromatomaly
13, 52.142, 301.788

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 115.876, 305.870 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(0, 9, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 9, 215)  
}
```

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(0, 9, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 9, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 115.876, 305.870 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(0, 9, 215) }
```

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

```
.border{ border-color:rgb(0, 9, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 9, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 9, 215); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 9, 215); box-shadow:4px  
4px 4px 4px rgb(0, 9, 215) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 115.876, 305.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 9, 215) }
```

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

```
.background{ background-color: rgb(0, 9,  
215) }
```

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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