

Converting Colors

CIELCh(27, 116.944, 306.439)

Have a look what the booklet for
CIELCh(27, 116.944, 306.439)
contains.

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Color

CIELCh(27, 116.789, 306.440)

Conversions

Conversions Part 1

Format	Color
Hex	1302D7
RGB	19, 2, 215
RGB Percent	7%, 1%, 84%
CMY	0.9247, 0.9920, 0.1567
CMYK	0.91, 0.99, 0.00, 0.16
HSL	245°, 98%, 43%
HSV	245°, 99%, 84%
XYZ	12.5659, 5.0937, 64.6418
YIQ	31.3650, -58.2410, 69.8470

Conversions

Conversions Part 2

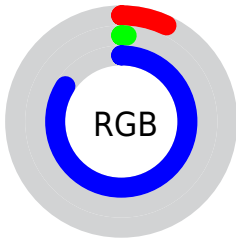
Format	Color
R_YB	19, 2, 215
Decimal	1245911
CIE Lab	27.00, 69.37, -93.95
CIE LCh	27, 116.789, 306.440
Yxy	5.0937, 0.1527, 0.0619
Android (android.graphics.Color)	4279435991 (0xFF1302D7)
YUV	31.3650, 90.5321, -10.8441
Hunter-Lab	22.5692, 59.8878, -154.0177

Details

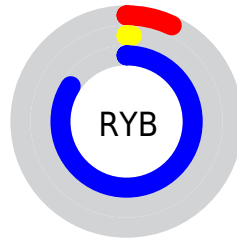
The CIELCh color **27, 116.789, 306.440** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **82, 85.438, 107.818**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 107.312, 306.608**, and **18, 93.572, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 117.254, 306.502**, and if you desaturate by 10%, it is **29, 110.986, 305.802**.

Distribution



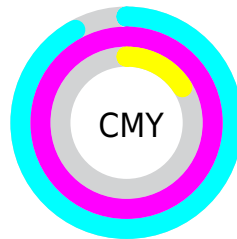
- Red (7%)
- Green (1%)
- Blue (84%)



- Red (7%)
- Yellow (1%)
- Blue (84%)



- Cyan (91%)
- Magenta (99%)
- Yellow (0%)
- Black (16%)





- Cyan (92%)
- Magenta (99%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 116.789, 306.440 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, 116.789, 306.440 by changing the saturation by 10% instead.


 27, 116.789,
306.440


 27, 116.789,
306.440


 100, 116.789,
306.440


 17, 116.789,
306.440


 47, 116.789,
306.440


 7, 116.789,
306.440


 57, 116.789,
306.440

 0, 116.789,
306.440

 67, 116.789,
306.440

 77, 116.789,
306.440

 87, 116.789,
306.440

 97, 116.789,

306.440

■ 27, 116.789,
306.440

■ 27, 116.789,
306.440

■ 27, 117.254,
306.502

■ 29, 110.986,
305.802

■ 33, 101.140,
304.564

■ 39, 88.593,
302.904

■ 45, 74.958,
301.107

■ 52, 61.201,
299.366

■ 59, 47.761,
297.781

■ 66, 34.801,
296.387

■ 73, 22.354,
295.182

■ 80, 10.409,
294.151

Harmonies

Complementary

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



27, 116.789, 306.440



82, 85.438, 107.818

Rectangle

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



27, 116.789, 306.440



27, 116.789, 356.440



27, 116.789, 126.440



27, 116.789, 176.440

Sweetspot

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



27, 116.791, 306.441



76, 41.380, 296.550



74, 40.409, 207.749



37, 28.482, 297.130



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, 116.791, 306.441



33, 133.413, 306.472



36, 107.889, 313.468



41, 6.514, 294.186



20, 98.691, 306.556



2, 27.660, 296.051

Inverse Universe

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



50, 95.220, 331.721



59, 108.358, 331.795



77, 97.777, 130.144



42, 7.427, 327.202



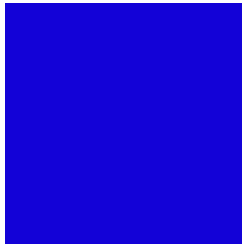
40, 80.395, 331.698



6, 31.075, 330.830

Previews

White Background



This preview shows how the CIELCh color 27, 116.789, 306.440 looks on a white background.

Color Contrast Check

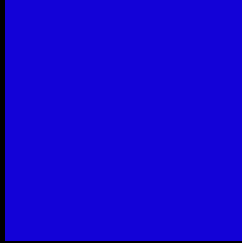
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116.789, 306.440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

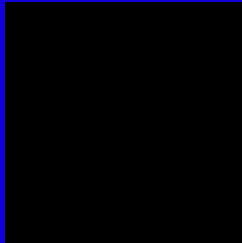
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 116.789, 306.440

Background



This preview shows how black text looks on a background with the CIELCh color 27, 116.789, 306.440.



This preview shows how white text looks on a background with the CIELCh color 27, 116.789,

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, 116.789, 306.440

Protanopia

27, 45.641, 285.251

Deuteranopia

28, 30.598, 268.842



Tritanopia
28, 19.875, 202.208

Trichromacy



Original Color
27, 116.789, 306.440

Protanomaly
25, 77.949, 300.483

Deuteranomaly
24, 68.149, 298.313

Tritanomaly
22, 53.011, 293.660

Monochromacy



Original Color
27, 116.789, 306.440

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 53.706, 303.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 116.789, 306.440 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(19, 2, 215)` looks like.

```
.text, #text, p{  
    color:rgb(19, 2, 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(19, 2, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 2, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 116.789, 306.440 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(19, 2, 215) }
```

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

```
.border{ border-color:rgb(19, 2, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 2, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 2, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 2, 215);  
box-shadow:4px 4px 4px 4px rgb(19, 2, 215)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 116.789, 306.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 2, 215) }
```

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

```
.background{ background-color: rgb(19, 2,  
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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