

Converting Colors

CIELCh(27, 115.590, 305.880)

Have a look what the booklet for
CIELCh(27, 115.590, 305.880)
contains.

CIELCh(27, 115.835, 305.894)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(27, 115.835, 305.894)

Conversions

Conversions Part 1

Format	Color
Hex	0109D7
RGB	1, 9, 215
RGB Percent	0%, 4%, 84%
CMY	0.9958, 0.9658, 0.1575
CMYK	1.00, 0.96, 0.00, 0.16
HSL	238°, 99%, 42%
HSV	238°, 100%, 84%
XYZ	12.3514, 5.0937, 64.5080
YIQ	30.0920, -70.8940, 62.3700

Conversions

Conversions Part 2

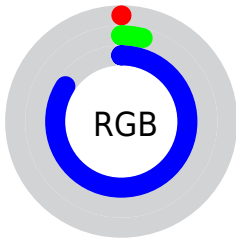
Format	Color
R_{YB}	1, 9, 215
Decimal	68055
CIE _{Lab}	27.00, 67.91, -93.84
CIE _{LCh}	27, 115.835, 305.894
Yxy	5.0937, 0.1507, 0.0622
Android (android.graphics.Color)	4278258135 (0xFF0109D7)
YUV	30.0920, 91.1596, -25.5137
Hunter-Lab	22.5692, 58.1911, -153.6663

Details

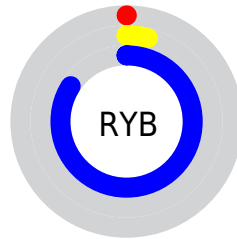
The CIELCh color **27, 115.835, 305.894** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **81, 82.825, 100.539**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 106.446, 306.062**, and **18, 93.572, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 116.058, 305.930**, and if you desaturate by 10%, it is **29, 109.437, 304.760**.

Distribution



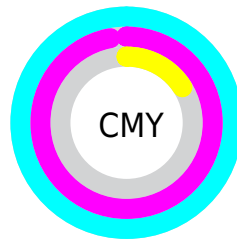
- Red (0%)
- Green (4%)
- Blue (84%)



- 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, 115.835, 305.894 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, 115.835, 305.894 by changing the saturation by 10% instead.


 27, 115.835,
305.894


 27, 115.835,
305.894


 100, 115.835,
305.894


 17, 115.835,
305.894


 47, 115.835,
305.894


 7, 115.835,
305.894


 57, 115.835,
305.894

 0, 115.835,
305.894

 67, 115.835,
305.894

 77, 115.835,
305.894

 87, 115.835,
305.894

 97, 115.835,

305.894

■ 27, 115.835,
305.894

■ 27, 115.835,
305.894

■ 27, 116.058,
305.930

■ 29, 109.437,
304.760

■ 33, 99.010,
302.895

■ 39, 86.292,
300.633

■ 45, 72.815,
298.294

■ 52, 59.417,
296.091

■ 58, 46.435,
294.124

■ 65, 33.963,
292.418

■ 72, 22.001,
290.961

■ 79, 10.518,
289.726

Harmonies

Complementary

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



27, 115.835, 305.894



81, 82.825, 100.539

Rectangle

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



27, 115.835, 305.894



27, 115.835, 355.894



27, 115.835, 125.894



27, 115.835, 175.894

Sweetspot

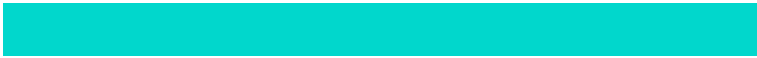
The Sweet Spot groups the original color and five complimentary colors.



27, 115.837, 305.895



76, 39.748, 292.543



78, 45.891, 188.968



37, 27.360, 293.246



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, 115.837, 305.895



33, 132.420, 305.999



33, 110.720, 310.733



41, 6.263, 289.716



20, 97.431, 305.814



2, 26.887, 293.249

Inverse Universe

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



45, 90.157, 38.693



53, 103.199, 39.028



78, 94.275, 126.404



42, 4.550, 17.030



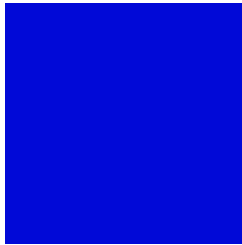
35, 75.839, 38.426



5, 21.974, 18.170

Previews

White Background



This preview shows how the CIELCh color 27, 115.835, 305.894 looks on a white background.

Color Contrast Check

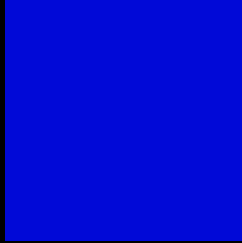
Large Text (above 18pt) WCAG AA ✓ Pass

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, 115.835, 305.894 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, 115.835, 305.894

Background



This preview shows how black text looks on a background with the CIELCh color 27, 115.835, 305.894.



This preview shows how white text looks on a background with the CIELCh color 27, 115.835, 305.894.

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, 115.855, 305.882

Protanopia

27, 45.045, 284.884

Deuteranopia

27, 31.119, 270.102



Tritanopia
27, 19.583, 204.293

Trichromacy



Original Color
27, 115.855, 305.882

Protanomaly
25, 76.229, 299.640

Deuteranomaly
24, 66.879, 297.315

Tritanomaly
23, 51.058, 291.822

Monochromacy



Original Color
27, 115.855, 305.882

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, 115.835, 305.894 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, 9, 215)` looks like.

```
.text, #text, p{  
    color:rgb(1, 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(1, 9, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 9, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 115.835, 305.894 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, 9, 215) }
```

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

```
.border{ border-color:rgb(1, 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(1, 9, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 9, 215); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 9, 215); box-shadow:4px  
4px 4px 4px rgb(1, 9, 215) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 115.835, 305.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 9, 215) }
```

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

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