

Converting Colors

CIELCh(27, 117.827, 306.622)

Have a look what the booklet for
CIELCh(27, 117.827, 306.622)
contains.

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Color

CIELCh(27, 117.526, 306.565)

Conversions

Conversions Part 1

Format	Color
Hex	1400D8
RGB	20, 0, 216
RGB Percent	8%, 0%, 85%
CMY	0.9203, 1.0000, 0.1537
CMYK	0.91, 1.00, 0.00, 0.15
HSL	246°, 100%, 42%
HSV	246°, 100%, 85%
XYZ	12.6614, 5.0937, 65.1512
YIQ	30.6040, -57.4160, 71.4160

Conversions

Conversions Part 2

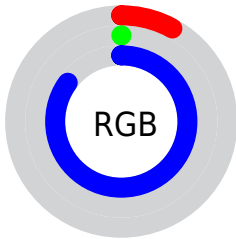
Format	Color
RYB	20, 0, 216
Decimal	1310936
CIELab	27.00, 70.01, -94.39
CIELCh	27, 117.526, 306.565
Yxy	5.0937, 0.1527, 0.0614
Android (android.graphics.Color)	4279501016 (0xFF1400D8)
YUV	30.6040, 91.4002, -9.2997
Hunter-Lab	22.5692, 60.6433, -155.3559

Details

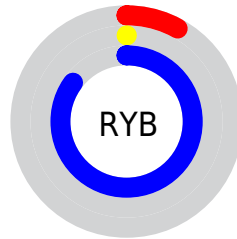
The CIELCh color **27, 117.526, 306.565** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **82, 85.997, 108.674**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 107.757, 306.825**, and **18, 94.007, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 117.469, 306.553**, and if you desaturate by 10%, it is **29, 111.895, 305.989**.

Distribution



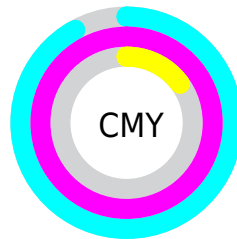
- Red (8%)
- Green (0%)
- Blue (85%)



- Red (8%)
- Yellow (0%)
- Blue (85%)



- Cyan (91%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)



- Cyan (92%)
- Magenta (100%)
- Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 117.526, 306.565 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, 117.526, 306.565 by changing the saturation by 10% instead.

 27, 117.526,
306.565


 27, 117.526,
306.565


 100, 117.526,
306.565


 17, 117.526,
306.565

 47, 117.526,
306.565


 7, 117.526,
306.565


 57, 117.526,
306.565

 0, 117.526,
306.565

 67, 117.526,
306.565

 77, 117.526,
306.565

 87, 117.526,
306.565

 97, 117.526,

306.565

■ 27, 117.526,
306.565

■ 27, 117.526,
306.565

■ 27, 117.469,
306.553

■ 29, 111.895,
305.989

■ 33, 102.399,
304.868

■ 38, 90.042,
303.304

■ 45, 76.465,
301.577

■ 51, 62.682,
299.887

■ 58, 49.177,
298.337

■ 65, 36.134,
296.966

■ 72, 23.601,
295.777

■ 79, 11.568,
294.757

Harmonies

Complementary

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



27, 117.526, 306.565



82, 85.997, 108.674

Rectangle

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



27, 117.526, 306.565



27, 117.526, 356.565



27, 117.526, 126.565



27, 117.526, 176.565

Sweetspot

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



27, 117.469, 306.553



76, 41.397, 297.002



73, 39.875, 211.064



37, 28.492, 297.565



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, 117.469, 306.553



33, 133.309, 306.520



37, 108.166, 313.845



41, 6.518, 294.703



20, 98.600, 306.614



2, 27.678, 296.393

Inverse Universe

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



50, 94.558, 332.425



59, 107.175, 332.469



77, 98.858, 130.691



42, 7.357, 327.615



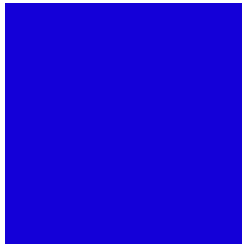
40, 79.539, 332.352



6, 30.762, 331.351

Previews

White Background



This preview shows how the CIELCh color 27, 117.526, 306.565 looks on a white background.

Color Contrast Check

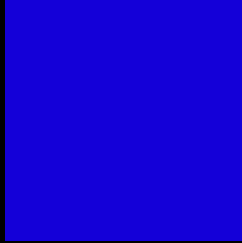
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.526, 306.565 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, 117.526, 306.565

Background



This preview shows how black text looks on a background with the CIELCh color 27, 117.526, 306.565.



This preview shows how white text looks on a background with the CIELCh color 27, 117.526, 306.565.

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, 117.561, 306.546

Protanopia

28, 44.981, 284.552

Deuteranopia

28, 31.129, 269.660



Tritanopia
28, 19.875, 202.208

Trichromacy



Original Color
27, 117.561, 306.546

Protanomaly
25, 77.949, 300.483

Deuteranomaly
24, 69.390, 298.747

Tritanomaly
22, 53.723, 294.162

Monochromacy



Original Color
27, 117.561, 306.546

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, 117.526, 306.565 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(20, 0, 216)` looks like.

```
.text, #text, p{  
    color:rgb(20, 0, 216)  
}
```

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(20, 0, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 0, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 117.526, 306.565 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(20, 0, 216) }
```

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

```
.border{ border-color:rgb(20, 0, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 0, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 0, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 0, 216);  
box-shadow:4px 4px 4px 4px rgb(20, 0, 216)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 117.526, 306.565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 0, 216) }
```

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

```
.background{ background-color: rgb(20, 0,  
216) }
```

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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