

Converting Colors

CIELCh(27, 114.497, 305.616)

Have a look what the booklet for
CIELCh(27, 114.497, 305.616)
contains.

CIELCh(27, 114.630, 305.668)	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, 114.630, 305.668)

Conversions

Conversions Part 1

Format	Color
Hex	000CD6
RGB	0, 12, 214
RGB Percent	0%, 5%, 84%
CMY	1.0000, 0.9513, 0.1624
CMYK	1.00, 0.94, 0.00, 0.16
HSL	237°, 100%, 42%
HSV	237°, 100%, 84%
XYZ	12.1950, 5.0937, 63.6914
YIQ	31.4400, -71.9940, 60.2780

Conversions

Conversions Part 2

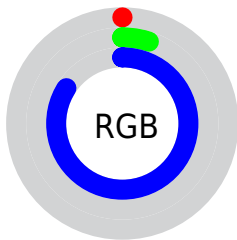
Format	Color
RYB	0, 11, 214
Decimal	3286
CIELab	27.00, 66.84, -93.13
CIElCh	27, 114.630, 305.668
Yxy	5.0937, 0.1506, 0.0629
Android (android.graphics.Color)	4278193366 (0xFF000CD6)
YUV	31.4400, 90.0021, -27.5729
Hunter-Lab	22.5692, 56.9544, -151.5210

Details

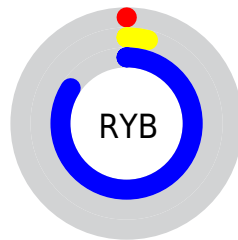
The CIELCh color **27, 114.630, 305.668** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **80, 81.245, 98.983**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 105.979, 305.838**, and **18, 93.137, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 114.587, 305.697**, and if you desaturate by 10%, it is **30, 107.640, 304.382**.

Distribution



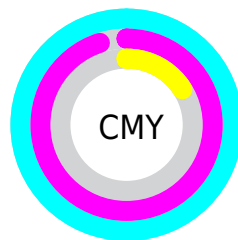
- Red (0%)
- Green (5%)
- Blue (84%)



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



- Cyan (100%)
- Magenta (94%)
- Yellow (0%)
- Black (16%)




- Cyan (100%)
- Magenta (95%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 114.630, 305.668 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, 114.630, 305.668 by changing the saturation by 10% instead.

 27, 114.630,
305.668

 27, 114.630,
305.668

 100, 114.630,
305.668


 17, 114.630,
305.668

 47, 114.630,
305.668


 7, 114.630,
305.668


 57, 114.630,
305.668

 0, 114.630,
305.668

 67, 114.630,
305.668

 77, 114.630,
305.668

 87, 114.630,
305.668

 97, 114.630,

305.668

■ 27, 114.630,
305.668

■ 27, 114.630,
305.668

■ 27, 114.587,
305.697

■ 30, 107.640,
304.382

■ 34, 97.048,
302.367

■ 39, 84.479,
300.001

■ 45, 71.316,
297.590

■ 52, 58.287,
295.333

■ 58, 45.679,
293.323

■ 65, 33.565,
291.582

■ 72, 21.938,
290.093

■ 79, 10.764,
288.831

Harmonies

Complementary

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



27, 114.630, 305.668



80, 81.245, 98.983

Rectangle

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



27, 114.630, 305.668



27, 114.630, 355.668



27, 114.630, 125.668



27, 114.630, 175.668

Sweetspot

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



27, 114.587, 305.697



76, 38.777, 291.631



77, 46.497, 186.598



37, 26.686, 292.343



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, 114.587, 305.697



33, 131.463, 305.799



32, 110.855, 310.383



41, 6.117, 288.764



21, 96.408, 305.521



2, 26.460, 292.733

Inverse Universe

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



45, 89.142, 38.055



53, 102.321, 38.380



77, 93.500, 125.824



42, 4.556, 15.224



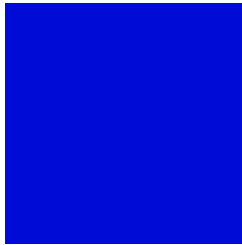
35, 74.956, 37.510



5, 21.966, 17.173

Previews

White Background



This preview shows how the CIELCh color 27, 114.630, 305.668 looks on a white background.

Color Contrast Check

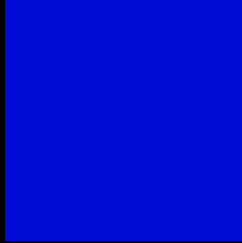
Large Text (above 18pt) WCAG AA ✓ Pass

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, 114.630, 305.668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

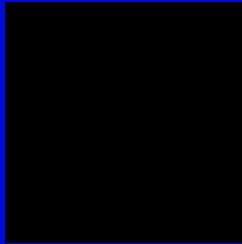
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 114.630, 305.668

Background



This preview shows how black text looks on a background with the CIELCh color 27, 114.630, 305.668.



This preview shows how white text looks on a background with the CIELCh color 27, 114.630, 305.668.

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, 114.850, 305.721

Protanopia

27, 45.045, 284.884

Deuteranopia

27, 31.119, 270.102



Tritanopia
27, 19.583, 204.293

Trichromacy



Original Color
27, 114.850, 305.721

Protanomaly
25, 74.939, 299.082

Deuteranomaly
24, 66.196, 296.959

Tritanomaly
23, 50.349, 291.260

Monochromacy



Original Color
27, 114.850, 305.721

Achromatopsia
12, 0.003, 296.813

Achromatomaly
14, 50.658, 300.822

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 114.630, 305.668 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, 12, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 12, 214)  
}
```

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, 12, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 12, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 114.630, 305.668 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, 12, 214) }
```

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

```
.border{ border-color:rgb(0, 12, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 12, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 12, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 12, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 12, 214)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 114.630, 305.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 12, 214) }
```

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

```
.background{ background-color: rgb(0, 12,  
214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor