

Converting Colors

CIELCh(28, 118.636, 306.122)

Have a look what the booklet for
CIELCh(28, 118.636, 306.122)
contains.

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Color

CIELCh(28, 118.536, 306.116)

Conversions

Conversions Part 1

Format	Color
Hex	0C07DD
RGB	12, 7, 221
RGB Percent	5%, 3%, 87%
CMY	0.9515, 0.9723, 0.1331
CMYK	0.94, 0.97, 0.00, 0.13
HSL	241°, 94%, 45%
HSV	241°, 97%, 87%
XYZ	13.2909, 5.4574, 68.7958
YIQ	32.8910, -65.7140, 67.6140

Conversions

Conversions Part 2

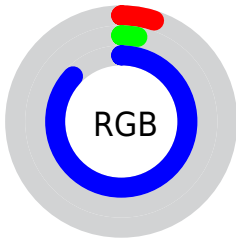
Format	Color
RYB	12, 7, 221
Decimal	788445
CIELab	28.00, 69.87, -95.76
CIELCh	28, 118.536, 306.116
Yxy	5.4574, 0.1518, 0.0623
Android (android.graphics.Color)	4278978525 (0xFF0C07DD)
YUV	32.8910, 92.7377, -18.3214
Hunter-Lab	23.3610, 60.6733, -158.2502

Details

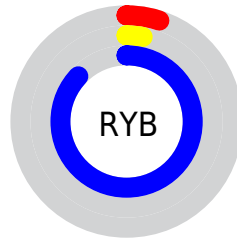
The CIELCh color **28, 118.536, 306.116** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **85, 86.449, 104.409**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 106.309, 306.375**, and **19, 96.174, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 120.012, 306.345**, and if you desaturate by 10%, it is **31, 112.003, 305.188**.

Distribution



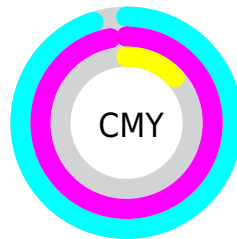
- Red (5%)
- Green (3%)
- Blue (87%)



- Red (5%)
- Yellow (3%)
- Blue (87%)



- Cyan (94%)
- Magenta (97%)
- Yellow (0%)
- Black (13%)





- Cyan (95%)
- Magenta (97%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 118.536, 306.116 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 28, 118.536, 306.116 by changing the saturation by 10% instead.


 28, 118.536,
306.116


 28, 118.536,
306.116


 100, 118.536,
306.116


 18, 118.536,
306.116


 48, 118.536,
306.116


 8, 118.536,
306.116


 58, 118.536,
306.116

 0, 118.536,
306.116

 68, 118.536,
306.116

 78, 118.536,
306.116

 88, 118.536,
306.116

 98, 118.536,

306.116

■ 28, 118.536,
306.116

■ 28, 118.536,
306.116

■ 27, 120.012,
306.345

■ 31, 112.003,
305.188

■ 35, 101.120,
303.571

■ 41, 87.771,
301.565

■ 47, 73.595,
299.478

■ 54, 59.481,
297.510

■ 61, 45.796,
295.752

■ 69, 32.649,
294.226

■ 76, 20.047,
292.922

■ 83, 7.960, 291.817

Harmonies

Complementary

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



28, 118.536, 306.116



85, 86.449, 104.409

Rectangle

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



28, 118.536, 306.116



28, 118.536, 356.116



28, 118.536, 126.116



28, 118.536, 176.116

Sweetspot

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



28, 118.538, 306.117



76, 39.868, 294.575



79, 43.785, 198.978



37, 27.609, 295.227



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28, 118.538, 306.117



32, 133.708, 306.336



36, 110.424, 312.350



42, 6.630, 292.089



20, 100.086, 306.366



2, 29.630, 295.526

Inverse Universe

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



52, 101.221, 329.204



60, 113.307, 329.260



79, 97.556, 128.428



43, 7.868, 325.607



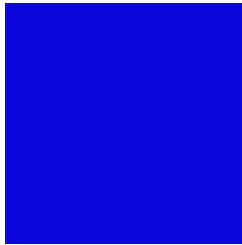
41, 84.896, 329.235



7, 33.970, 328.993

Previews

White Background



This preview shows how the CIELCh color 28, 118.536, 306.116 looks on a white background.

Color Contrast Check

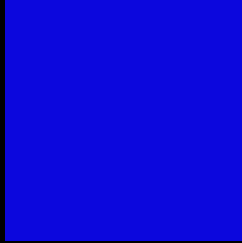
Large Text (above 18pt) WCAG AA ✓ Pass

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 28, 118.536, 306.116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

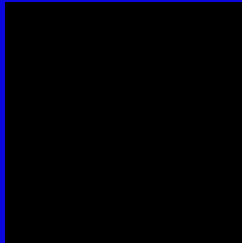
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 118.536, 306.116

Background



This preview shows how black text looks on a background with the CIELCh color 28, 118.536, 306.116.



This preview shows how white text looks on a background with the CIELCh color 28, 118.536, 306.116.

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

28, 118.536, 306.116

Protanopia

28, 46.102, 284.959

Deuteranopia

28, 31.673, 270.015



Tritanopia
28, 20.248, 202.075

Trichromacy



Original Color
28, 118.536, 306.116

Protanomaly
26, 78.299, 299.931

Deuteranomaly
25, 69.709, 298.096

Tritanomaly
23, 52.743, 292.546

Monochromacy



Original Color
28, 118.536, 306.116

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 52.989, 302.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 118.536, 306.116 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(12, 7, 221)` looks like.

```
.text, #text, p{  
    color:rgb(12, 7, 221)  
}
```

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(12, 7, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 7, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 118.536, 306.116 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(12, 7, 221) }
```

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

```
.border{ border-color:rgb(12, 7, 221) }
```

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

Here you see how a box with a 4 pixel rgb(12, 7, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 7, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 7, 221);  
box-shadow:4px 4px 4px 4px rgb(12, 7, 221)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 118.536, 306.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 7, 221) }
```

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

```
.background{ background-color: rgb(12, 7,  
221) }
```

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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