

Converting Colors

CIELCh(28, 118.081, 306.994)

Have a look what the booklet for
CIELCh(28, 118.081, 306.994)
contains.

CIELCh(28, 118.035, 306.952)	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(28, 118.035, 306.952)

Conversions

Conversions Part 1

Format	Color
Hex	2400DB
RGB	36, 0, 219
RGB Percent	14%, 0%, 86%
CMY	0.8583, 1.0000, 0.1427
CMYK	0.83, 1.00, 0.00, 0.14
HSL	250°, 100%, 43%
HSV	250°, 100%, 86%
XYZ	13.4589, 5.4574, 67.0904
YIQ	35.7300, -48.8430, 75.7410

Conversions

Conversions Part 2

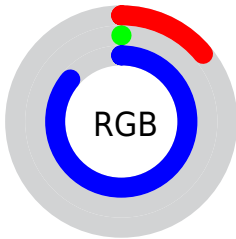
Format	Color
RYB	36, 0, 219
Decimal	2359515
CIELab	28.00, 70.96, -94.33
CIELCh	28, 118.035, 306.952
Yxy	5.4574, 0.1565, 0.0635
Android (android.graphics.Color)	4280549595 (0xFF2400DB)
YUV	35.7300, 90.3521, 0.2368
Hunter-Lab	23.3610, 61.9565, -153.9220

Details

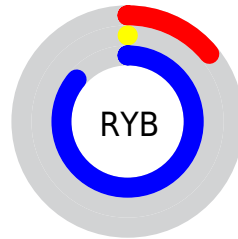
The CIELCh color **28, 118.035, 306.952** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **82, 87.891, 112.867**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 106.976, 307.356**, and **18, 95.309, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 117.920, 306.927**, and if you desaturate by 10%, it is **31, 112.220, 306.622**.

Distribution



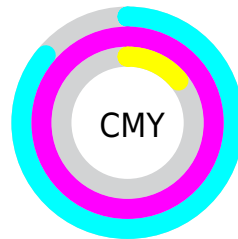
- Red (14%)
- Green (0%)
- Blue (86%)



- Red (14%)
- Yellow (0%)
- Blue (86%)



- Cyan (83%)
- Magenta (100%)
- Yellow (0%)
- Black (14%)





- Cyan (86%)
- Magenta (100%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 118.035, 306.952 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, 118.035, 306.952 by changing the saturation by 10% instead.


 28, 118.035,
306.952


 28, 118.035,
306.952


 100, 118.035,
306.952


 18, 118.035,
306.952


 48, 118.035,
306.952


 8, 118.035,
306.952


 58, 118.035,
306.952

 0, 118.035,
306.952

 68, 118.035,
306.952

 78, 118.035,
306.952

 88, 118.035,
306.952

 98, 118.035,

306.952

■ 28, 118.035,
306.952

■ 28, 118.035,
306.952

■ 28, 117.920,
306.927

■ 31, 112.220,
306.622

■ 35, 102.795,
305.810

■ 40, 90.595,
304.587

■ 46, 77.127,
303.192

■ 53, 63.363,
301.797

■ 59, 49.793,
300.496

■ 66, 36.630,
299.328

■ 73, 23.944,
298.303

■ 80, 11.743,
297.415

Harmonies

Complementary

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



28, 118.035, 306.952



82, 87.891, 112.867

Rectangle

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



28, 118.035, 306.952



28, 118.035, 356.952



28, 118.035, 126.952



28, 118.035, 176.952

Sweetspot

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



28, 117.920, 306.927



76, 41.525, 299.357



70, 38.792, 225.018



37, 28.567, 299.837



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, 117.920, 306.927



33, 132.557, 306.879



39, 107.716, 315.720



42, 6.677, 297.369



21, 99.065, 307.017



2, 29.850, 298.962

Inverse Universe

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



50, 90.310, 336.217



58, 101.334, 336.299



77, 101.673, 132.303



43, 7.137, 329.887



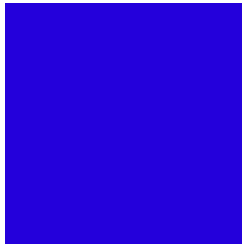
40, 76.123, 336.070



7, 30.765, 334.458

Previews

White Background



This preview shows how the CIE LCh color 28, 118.035, 306.952 looks on a white background.

Color Contrast Check

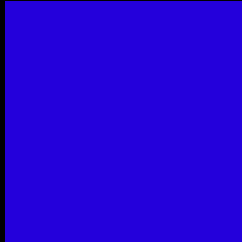
Large Text (above 18pt) WCAG AA ✓ Pass

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, 118.035, 306.952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

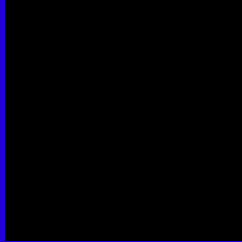
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 118.035, 306.952

Background



This preview shows how black text looks on a background with the CIELCh color 28, 118.035, 306.952.



This preview shows how white text looks on a background with the CIELCh color 28, 118.035, 306.952.

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, 118.091, 306.921

Protanopia

29, 46.038, 284.636

Deuteranopia

28, 31.683, 269.583



Tritanopia
28, 20.141, 204.020

Trichromacy



Original Color
28, 118.091, 306.921

Protanomaly
25, 79.428, 300.724

Deuteranomaly
25, 69.697, 298.692

Tritanomaly
23, 54.059, 294.226

Monochromacy



Original Color
28, 118.091, 306.921

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 53.746, 304.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 118.035, 306.952 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(36, 0, 219)` looks like.

```
.text, #text, p{  
    color:rgb(36, 0, 219)  
}
```

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(36, 0, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 0, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 118.035, 306.952 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(36, 0, 219) }
```

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

```
.border{ border-color:rgb(36, 0, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 0, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 0, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 0, 219);  
box-shadow:4px 4px 4px 4px rgb(36, 0, 219)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 118.035, 306.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 0, 219) }
```

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

```
.background{ background-color: rgb(36, 0,  
219) }
```

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