

Converting Colors

CIELCh(28, 118.058, 307.026)

Have a look what the booklet for
CIELCh(28, 118.058, 307.026)
contains.

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Color

CIELCh(28, 117.617, 306.958)

Conversions

Conversions Part 1

Format	Color
Hex	2500DA
RGB	37, 0, 218
RGB Percent	15%, 0%, 85%
CMY	0.8547, 1.0000, 0.1450
CMYK	0.83, 1.00, 0.00, 0.15
HSL	250°, 100%, 43%
HSV	250°, 100%, 85%
XYZ	13.4215, 5.4574, 66.6874
YIQ	35.9150, -47.9260, 75.6420

Conversions

Conversions Part 2

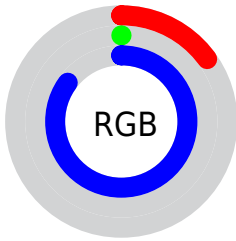
Format	Color
RYB	37, 0, 218
Decimal	2425050
CIELab	28.00, 70.71, -93.98
CIELCh	28, 117.617, 306.958
Yxy	5.4574, 0.1569, 0.0638
Android (android.graphics.Color)	4280615130 (0xFF2500DA)
YUV	35.9150, 89.7679, 0.9515
Hunter-Lab	23.3610, 61.6709, -152.8992

Details

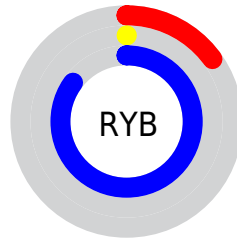
The CIELCh color **28, 117.617, 306.958** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **82, 87.798, 113.132**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 106.976, 307.356**, and **18, 94.875, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 117.622, 306.959**, and if you desaturate by 10%, it is **31, 111.917, 306.669**.

Distribution



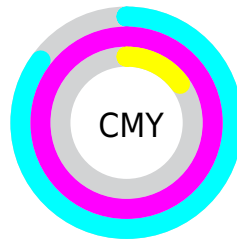
- Red (15%)
- Green (0%)
- Blue (85%)



- Red (15%)
- Yellow (0%)
- Blue (85%)



- Cyan (83%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)





- Cyan (85%)
- Magenta (100%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 117.617, 306.958 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, 117.617, 306.958 by changing the saturation by 10% instead.


 28, 117.617,
306.958


 28, 117.617,
306.958


 100, 117.617,
306.958


 18, 117.617,
306.958


 48, 117.617,
306.958


 8, 117.617,
306.958

 58, 117.617,
306.958

 0, 117.617,
306.958

 68, 117.617,
306.958

 78, 117.617,
306.958

 88, 117.617,
306.958

 98, 117.617,

306.958

■ 28, 117.617,
306.958

■ 28, 117.617,
306.958

■ 28, 117.622,
306.959

■ 31, 111.917,
306.669

■ 35, 102.519,
305.876

■ 40, 90.363,
304.674

■ 46, 76.941,
303.299

■ 52, 63.218,
301.923

■ 59, 49.684,
300.637

■ 66, 36.551,
299.482

■ 73, 23.892,
298.468

■ 80, 11.715,
297.588

Harmonies

Complementary

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



28, 117.617, 306.958



82, 87.798, 113.132

Rectangle

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



28, 117.617, 306.958



28, 117.617, 356.958



28, 117.617, 126.958



28, 117.617, 176.958

Sweetspot

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



28, 117.619, 306.959



76, 41.536, 299.512



68, 38.688, 228.673



37, 28.573, 299.988



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, 117.619, 306.959



33, 132.495, 306.910



40, 107.137, 316.224



42, 6.679, 297.543



21, 99.014, 307.051



2, 29.860, 299.074

Inverse Universe

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



50, 89.806, 336.484



58, 100.969, 336.571



77, 101.885, 132.649



43, 7.114, 330.044



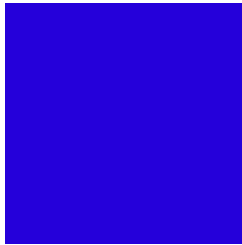
39, 75.855, 336.333



6, 30.664, 334.665

Previews

White Background



This preview shows how the CIE LCh color 28, 117.617, 306.958 looks on a white background.

Color Contrast Check

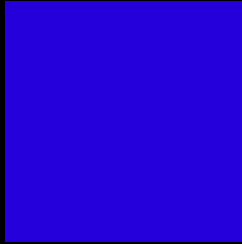
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.617, 306.958 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, 117.617, 306.958

Background



This preview shows how black text looks on a background with the CIELCh color 28, 117.617, 306.958.



This preview shows how white text looks on a background with the CIELCh color 28, 117.617, 306.958.

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, 117.617, 306.958

Protanopia

28, 46.695, 285.315

Deuteranopia

28, 31.683, 269.583



Tritanopia
28, 20.141, 204.020

Trichromacy



Original Color
28, 117.617, 306.958

Protanomaly
25, 79.499, 300.898

Deuteranomaly
25, 69.697, 298.692

Tritanomaly
23, 54.059, 294.226

Monochromacy



Original Color
28, 117.617, 306.958

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, 117.617, 306.958 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(37, 0, 218)` looks like.

```
.text, #text, p{  
    color:rgb(37, 0, 218)  
}
```

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(37, 0, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 0, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 117.617, 306.958 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(37, 0, 218) }
```

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

```
.border{ border-color:rgb(37, 0, 218) }
```

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

Here you see how a box with a 4 pixel rgb(37, 0, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 0, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 0, 218);  
box-shadow:4px 4px 4px 4px rgb(37, 0, 218)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 117.617, 306.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 0, 218) }
```

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

```
.background{ background-color: rgb(37, 0,  
218) }
```

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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