

Converting Colors

CIELCh(28, 117.452, 306.321)

Have a look what the booklet for
CIELCh(28, 117.452, 306.321)
contains.

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Color

CIELCh(28, 117.341, 306.314)

Conversions

Conversions Part 1

Format	Color
Hex	1807DB
RGB	24, 7, 219
RGB Percent	9%, 3%, 86%
CMY	0.9061, 0.9728, 0.1413
CMYK	0.89, 0.97, 0.00, 0.14
HSL	245°, 94%, 44%
HSV	245°, 97%, 86%
XYZ	13.2331, 5.4574, 67.3569
YIQ	36.2510, -57.9200, 69.5360

Conversions

Conversions Part 2

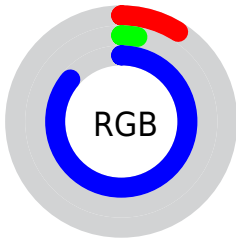
Format	Color
R _Y B	24, 7, 219
Decimal	1574875
CIE Lab	28.00, 69.49, -94.55
CIE LCh	28, 117.341, 306.314
Yxy	5.4574, 0.1538, 0.0634
Android (android.graphics.Color)	4279764955 (0xFF1807DB)
YUV	36.2510, 90.0953, -10.7441
Hunter-Lab	23.3610, 60.2311, -154.5983

Details

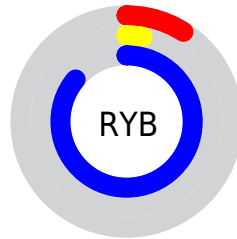
The CIELCh color **28, 117.341, 306.314** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **84, 86.179, 107.747**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 106.172, 306.695**, and **18, 95.309, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 118.870, 306.497**, and if you desaturate by 10%, it is **31, 110.717, 305.587**.

Distribution



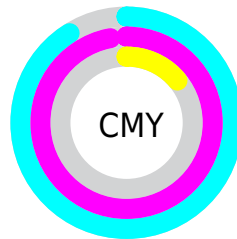
- Red (9%)
- Green (3%)
- Blue (86%)



- Red (9%)
- Yellow (3%)
- Blue (86%)



- Cyan (89%)
- Magenta (97%)
- Yellow (0%)
- Black (14%)





- Cyan (91%)
- Magenta (97%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 117.341, 306.314 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, 117.341, 306.314 by changing the saturation by 10% instead.


 28, 117.341,
306.314


 28, 117.341,
306.314


 100, 117.341,
306.314


 18, 117.341,
306.314


 48, 117.341,
306.314


 8, 117.341,
306.314

 58, 117.341,
306.314

 0, 117.341,
306.314

 68, 117.341,
306.314

 78, 117.341,
306.314

 88, 117.341,
306.314

 98, 117.341,

306.314

■ 28, 117.341,
306.314

■ 28, 117.341,
306.314

■ 27, 118.870,
306.497

■ 31, 110.717,
305.587

■ 35, 99.981,
304.231

■ 41, 86.895,
302.516

■ 47, 72.971,
300.714

■ 54, 59.053,
298.998

■ 61, 45.512,
297.450

■ 68, 32.473,
296.095

■ 75, 19.956,
294.928

■ 83, 7.942, 293.931

Harmonies

Complementary

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



28, 117.341, 306.314



84, 86.179, 107.747

Rectangle

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



28, 117.341, 306.314



28, 117.341, 356.314



28, 117.341, 126.314



28, 117.341, 176.314

Sweetspot

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



28, 117.343, 306.315



77, 39.916, 296.406



75, 40.901, 207.525



37, 27.636, 296.985



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, 117.343, 306.315



33, 133.415, 306.471



37, 108.529, 313.604



42, 6.642, 294.175



21, 99.787, 306.551



2, 29.704, 296.887

Inverse Universe

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



51, 96.277, 331.624



59, 108.389, 331.778



78, 98.368, 129.933



43, 7.575, 327.193



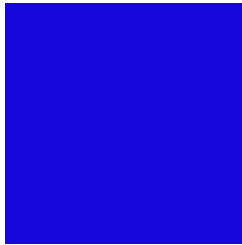
40, 81.298, 331.686



7, 32.677, 330.975

Previews

White Background



This preview shows how the CIELCh color 28, 117.341, 306.314 looks on a white background.

Color Contrast Check

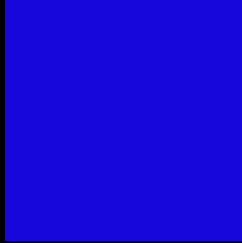
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.341, 306.314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

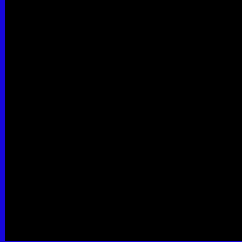
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 117.341, 306.314

Background



This preview shows how black text looks on a background with the CIELCh color 28, 117.341, 306.314.



This preview shows how white text looks on a background with the CIELCh color 28, 117.341, 306.314.

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, 117.341, 306.314

Protanopia

28, 46.102, 284.959

Deuteranopia

28, 31.673, 270.015



Tritanopia
28, 20.248, 202.075

Trichromacy



Original Color
28, 117.341, 306.314

Protanomaly
26, 77.686, 300.010

Deuteranomaly
25, 69.079, 298.193

Tritanomaly
23, 52.080, 292.693

Monochromacy



Original Color
28, 117.341, 306.314

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 53.242, 303.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 117.341, 306.314 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(24, 7, 219)` looks like.

```
.text, #text, p{  
    color:rgb(24, 7, 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(24, 7, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 7, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 117.341, 306.314 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(24, 7, 219) }
```

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

```
.border{ border-color:rgb(24, 7, 219) }
```

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

Here you see how a box with a 4 pixel rgb(24, 7, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 7, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 7, 219);  
box-shadow:4px 4px 4px 4px rgb(24, 7, 219)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 117.341, 306.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 7, 219) }
```

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

```
.background{ background-color: rgb(24, 7,  
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](#).

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