

Converting Colors

CIELCh(28, 116.574, 307.265)

Have a look what the booklet for
CIELCh(28, 116.574, 307.265)
contains.

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Color

CIELCh(28, 116.346, 307.220)

Conversions

Conversions Part 1

Format	Color
Hex	2B00D8
RGB	43, 0, 216
RGB Percent	17%, 0%, 85%
CMY	0.8296, 1.0000, 0.1540
CMYK	0.80, 1.00, 0.00, 0.15
HSL	252°, 100%, 42%
HSV	252°, 100%, 85%
XYZ	13.3690, 5.4574, 65.1256
YIQ	37.4810, -43.7080, 76.2920

Conversions

Conversions Part 2

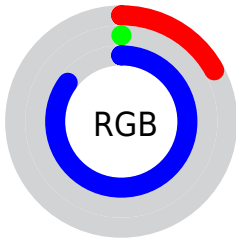
Format	Color
R_{YB}	43, 0, 216
Decimal	2818264
CIE Lab	28.00, 70.38, -92.65
CIE LCh	28, 116.346, 307.220
Yxy	5.4574, 0.1592, 0.0650
Android (android.graphics.Color)	4281008344 (0xFF2B00D8)
YUV	37.4810, 88.0099, 4.8402
Hunter-Lab	23.3610, 61.2700, -148.9352

Details

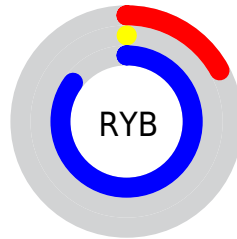
The CIELCh color **28, 116.346, 307.220** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **81, 87.730, 114.899**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 106.832, 307.690**, and **18, 94.007, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 116.264, 307.202**, and if you desaturate by 10%, it is **31, 110.565, 307.016**.

Distribution



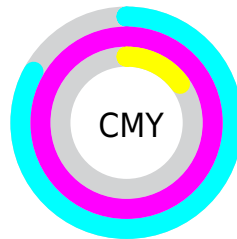
- Red (17%)
- Green (0%)
- Blue (85%)



- Red (17%)
- Yellow (0%)
- Blue (85%)



- Cyan (80%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 116.346, 307.220 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, 116.346, 307.220 by changing the saturation by 10% instead.


 28, 116.346,
307.220


 28, 116.346,
307.220


 100, 116.346,
307.220


 18, 116.346,
307.220


 48, 116.346,
307.220


 8, 116.346,
307.220


 58, 116.346,
307.220

 0, 116.346,
307.220

 68, 116.346,
307.220

 78, 116.346,
307.220

 88, 116.346,
307.220

 98, 116.346,

307.220

■ 28, 116.346,
307.220

■ 28, 116.346,
307.220

■ 28, 116.264,
307.202

■ 31, 110.565,
307.016

■ 35, 101.333,
306.351

■ 40, 89.419,
305.289

■ 46, 76.234,
304.050

■ 52, 62.707,
302.793

■ 59, 49.327,
301.609

■ 66, 36.314,
300.537

■ 73, 23.751,
299.590

■ 79, 11.653,
298.764

Harmonies

Complementary

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



28, 116.346, 307.220



81, 87.730, 114.899

Rectangle

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



28, 116.346, 307.220



28, 116.346, 357.220



28, 116.346, 127.220



28, 116.346, 177.220

Sweetspot

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



28, 116.264, 307.202



77, 41.615, 300.566



65, 38.765, 236.012



37, 28.620, 301.009



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, 116.264, 307.202



34, 132.032, 307.141



40, 105.604, 317.267



41, 6.569, 298.719



21, 97.558, 307.310



2, 27.849, 299.042

Inverse Universe

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



49, 86.995, 338.372



58, 98.562, 338.491



76, 101.858, 133.280



42, 6.823, 331.137



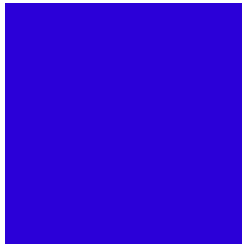
39, 73.288, 338.176



6, 28.414, 335.944

Previews

White Background



This preview shows how the CIELCh color 28, 116.346, 307.220 looks on a white background.

Color Contrast Check

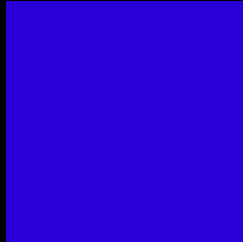
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116.346, 307.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

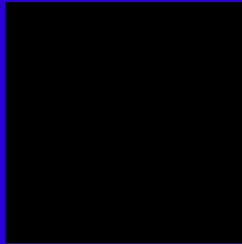
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 116.346, 307.220

Background



This preview shows how black text looks on a background with the CIELCh color 28, 116.346, 307.220.



This preview shows how white text looks on a background with the CIELCh color 28, 116.346, 307.220.

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, 116.412, 307.182

Protanopia

29, 46.038, 284.636

Deuteranopia

28, 31.683, 269.583



Tritanopia
28, 20.141, 204.020

Trichromacy



Original Color
28, 116.412, 307.182

Protanomaly
25, 78.833, 300.773

Deuteranomaly
24, 69.081, 298.748

Tritanomaly
23, 53.411, 294.303

Monochromacy



Original Color
28, 116.412, 307.182

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 53.517, 305.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 116.346, 307.220 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(43, 0, 216)` looks like.

```
.text, #text, p{  
    color:rgb(43, 0, 216)  
}
```

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(43, 0, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 0, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 116.346, 307.220 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(43, 0, 216) }
```

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

```
.border{ border-color:rgb(43, 0, 216) }
```

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

Here you see how a box with a 4 pixel rgb(43, 0, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 0, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 0, 216);  
box-shadow:4px 4px 4px 4px rgb(43, 0, 216)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 116.346, 307.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 0, 216) }
```

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

```
.background{ background-color: rgb(43, 0,  
216) }
```

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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