

Converting Colors

CIELCh(28, 115.408, 307.189)

Have a look what the booklet for
CIELCh(28, 115.408, 307.189)
contains.

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Color

CIELCh(28, 115.314, 307.198)

Conversions

Conversions Part 1

Format	Color
Hex	2D02D6
RGB	45, 2, 214
RGB Percent	18%, 1%, 84%
CMY	0.8247, 0.9940, 0.1594
CMYK	0.79, 0.99, 0.00, 0.16
HSL	252°, 99%, 42%
HSV	252°, 99%, 84%
XYZ	13.2676, 5.4574, 64.2081
YIQ	39.0250, -42.4240, 75.0480

Conversions

Conversions Part 2

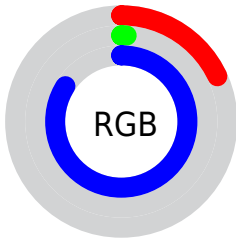
Format	Color
RYB	45, 2, 214
Decimal	2949846
CIELab	28.00, 69.72, -91.85
CIELCh	28, 115.314, 307.198
Yxy	5.4574, 0.1600, 0.0658
Android (android.graphics.Color)	4281139926 (0xFF2D02D6)
YUV	39.0250, 86.2627, 5.2401
Hunter-Lab	23.3610, 60.4947, -146.6067

Details

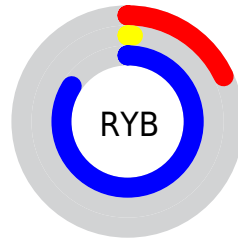
The CIELCh color **28, 115.314, 307.198** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **80, 87.172, 114.916**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 106.344, 307.582**, and **18, 93.137, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 115.687, 307.216**, and if you desaturate by 10%, it is **31, 109.455, 307.001**.

Distribution



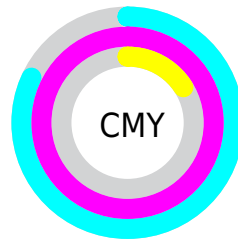
- Red (18%)
- Green (1%)
- Blue (84%)



- Red (18%)
- Yellow (1%)
- Blue (84%)



- Cyan (79%)
- Magenta (99%)
- Yellow (0%)
- Black (16%)





- Cyan (82%)
- Magenta (99%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 115.314, 307.198 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, 115.314, 307.198 by changing the saturation by 10% instead.


 28, 115.314,
307.198


 28, 115.314,
307.198


 100, 115.314,
307.198


 18, 115.314,
307.198


 48, 115.314,
307.198


 8, 115.314,
307.198


 58, 115.314,
307.198

 0, 115.314,
307.198

 68, 115.314,
307.198

 78, 115.314,
307.198

 88, 115.314,
307.198

 98, 115.314,

307.198

■ 28, 115.314,
307.198

■ 28, 115.314,
307.198

■ 28, 115.687,
307.216

■ 31, 109.455,
307.001

■ 35, 100.022,
306.304

■ 40, 88.038,
305.227

■ 46, 74.875,
303.988

■ 52, 61.420,
302.740

■ 59, 48.132,
301.568

■ 66, 35.218,
300.509

■ 73, 22.752,
299.573

■ 79, 10.749,
298.758

Harmonies

Complementary

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



28, 115.314, 307.198



80, 87.172, 114.916

Rectangle

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



28, 115.314, 307.198



28, 115.314, 357.198



28, 115.314, 127.198



28, 115.314, 177.198

Sweetspot

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



28, 115.316, 307.199



77, 41.619, 300.610



65, 38.514, 235.723



37, 28.622, 301.052



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, 115.316, 307.199



34, 132.011, 307.152



40, 104.873, 317.315



41, 6.570, 298.768



21, 97.542, 307.321



2, 27.851, 299.074

Inverse Universe

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



49, 86.456, 338.369



58, 98.464, 338.574



76, 101.126, 133.231



42, 6.817, 331.184



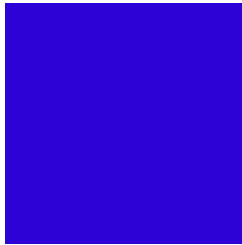
39, 73.217, 338.256



6, 28.386, 336.007

Previews

White Background



This preview shows how the CIELCh color 28, 115.314, 307.198 looks on a white background.

Color Contrast Check

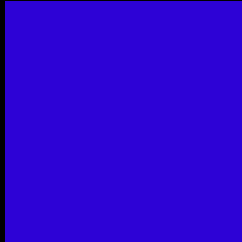
Large Text (above 18pt) WCAG AA ✓ Pass

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, 115.314, 307.198 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, 115.314, 307.198

Background



This preview shows how black text looks on a background with the CIELCh color 28, 115.314, 307.198.



This preview shows how white text looks on a background with the CIELCh color 28, 115.314, 307.198.

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, 115.059, 307.195

Protanopia

28, 46.695, 285.315

Deuteranopia

28, 31.683, 269.583



Tritanopia
28, 20.141, 204.020

Trichromacy



Original Color
28, 115.059, 307.195

Protanomaly
25, 78.287, 300.703

Deuteranomaly
24, 69.081, 298.748

Tritanomaly
23, 52.802, 294.109

Monochromacy



Original Color
28, 115.059, 307.195

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 52.842, 305.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 115.314, 307.198 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(45, 2, 214)` looks like.

```
.text, #text, p{  
  color:rgb(45, 2, 214)  
}
```

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(45, 2, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 2, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 115.314, 307.198 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(45, 2, 214) }
```

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

```
.border{ border-color:rgb(45, 2, 214) }
```

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

Here you see how a box with a 4 pixel rgb(45, 2, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 2, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 2, 214);  
box-shadow:4px 4px 4px 4px rgb(45, 2, 214)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 115.314, 307.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 2, 214) }
```

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

```
.background{ background-color: rgb(45, 2,  
214) }
```

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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