

Converting Colors

CIELCh(28, 115.374, 307.364)

Have a look what the booklet for
CIELCh(28, 115.374, 307.364)
contains.

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Color

CIELCh(28, 115.295, 307.363)

Conversions

Conversions Part 1

Format	Color
Hex	2F00D6
RGB	47, 0, 214
RGB Percent	18%, 0%, 84%
CMY	0.8157, 1.0000, 0.1608
CMYK	0.78, 1.00, 0.00, 0.16
HSL	253°, 100%, 42%
HSV	253°, 100%, 84%
XYZ	13.3064, 5.4574, 63.9601
YIQ	38.4490, -40.6820, 76.5180

Conversions

Conversions Part 2

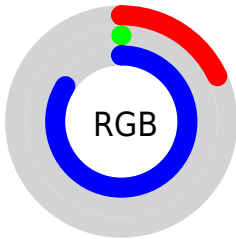
Format	Color
RYB	47, 0, 214
Decimal	3080406
CIELab	28.00, 69.97, -91.64
CIELCh	28, 115.295, 307.363
Yxy	5.4574, 0.1609, 0.0660
Android (android.graphics.Color)	4281270486 (0xFF2F00D6)
YUV	38.4490, 86.5466, 7.4992
Hunter-Lab	23.3610, 60.7913, -145.9772

Details

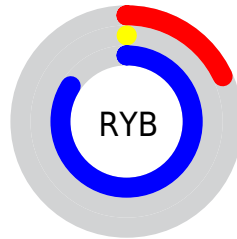
The CIELCh color **28, 115.295, 307.363** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **80, 87.593, 115.883**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 106.784, 307.803**, and **18, 93.137, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 115.289, 307.362**, and if you desaturate by 10%, it is **31, 109.605, 307.233**.

Distribution



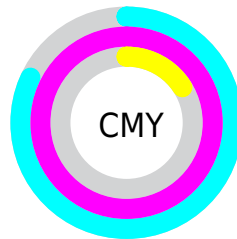
- Red (18%)
- Green (0%)
- Blue (84%)



- Red (18%)
- Yellow (0%)
- Blue (84%)



- Cyan (78%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)





- Cyan (82%)
- Magenta (100%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 115.295, 307.363 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, 115.295, 307.363 by changing the saturation by 10% instead.


 28, 115.295,
307.363


 28, 115.295,
307.363


 100, 115.295,
307.363


 18, 115.295,
307.363


 48, 115.295,
307.363


 8, 115.295,
307.363


 58, 115.295,
307.363

 0, 115.295,
307.363

 68, 115.295,
307.363

 78, 115.295,
307.363

 88, 115.295,
307.363

 98, 115.295,

307.363

■ 28, 115.295,
307.363

■ 28, 115.295,
307.363

■ 28, 115.289,
307.362

■ 31, 109.605,
307.233

■ 35, 100.487,
306.639

■ 40, 88.733,
305.653

■ 46, 75.705,
304.489

■ 52, 62.313,
303.298

■ 59, 49.043,
302.169

■ 65, 36.120,
301.143

■ 72, 23.631,
300.232

■ 79, 11.597,
299.435

Harmonies

Complementary

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



28, 115.295, 307.363



80, 87.593, 115.883

Rectangle

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



28, 115.295, 307.363



28, 115.295, 357.363



28, 115.295, 127.363



28, 115.295, 177.363

Sweetspot

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



28, 115.289, 307.362



77, 41.666, 301.172



64, 38.937, 239.638



37, 28.651, 301.596



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, 115.289, 307.362



34, 131.735, 307.293



41, 104.639, 317.807



41, 6.580, 299.392



21, 97.326, 307.474



2, 27.883, 299.485

Inverse Universe

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



48, 85.324, 339.508



57, 97.240, 339.649



75, 101.600, 133.564



42, 6.736, 331.788



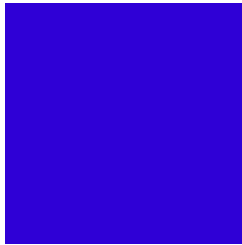
38, 72.324, 339.293



6, 28.038, 336.820

Previews

White Background



This preview shows how the CIELCh color 28, 115.295, 307.363 looks on a white background.

Color Contrast Check

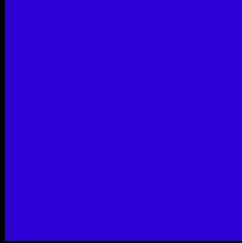
Large Text (above 18pt) WCAG AA ✓ Pass

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, 115.295, 307.363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

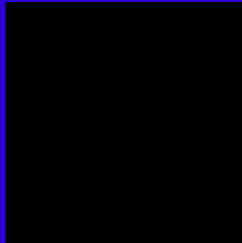
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 115.295, 307.363

Background



This preview shows how black text looks on a background with the CIELCh color 28, 115.295, 307.363.



This preview shows how white text looks on a background with the CIELCh color 28, 115.295, 307.363.

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, 115.295, 307.363

Protanopia

29, 46.038, 284.636

Deuteranopia

29, 32.216, 270.358



Tritanopia
28, 20.141, 204.020

Trichromacy



Original Color
28, 115.295, 307.363

Protanomaly
25, 78.269, 300.747

Deuteranomaly
25, 69.065, 298.806

Tritanomaly
23, 52.787, 294.211

Monochromacy



Original Color
28, 115.295, 307.363

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 52.878, 305.799

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 115.295, 307.363 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(47, 0, 214)` looks like.

```
.text, #text, p{  
  color:rgb(47, 0, 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(47, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 0, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 115.295, 307.363 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(47, 0, 214) }
```

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

```
.border{ border-color:rgb(47, 0, 214) }
```

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

Here you see how a box with a 4 pixel rgb(47, 0, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(47, 0, 214)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 115.295, 307.363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 0, 214) }
```

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

```
.background{ background-color: rgb(47, 0,  
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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