

Converting Colors

CIELCh(28, 115.425, 307.527)

Have a look what the booklet for
CIELCh(28, 115.425, 307.527)
contains.

CIELCh(28, 115.150, 307.450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(28, 115.150, 307.450)

Conversions

Conversions Part 1

Format	Color
Hex	3000D6
RGB	48, 0, 214
RGB Percent	19%, 0%, 84%
CMY	0.8105, 1.0000, 0.1623
CMYK	0.77, 1.00, 0.00, 0.16
HSL	254°, 100%, 42%
HSV	254°, 100%, 84%
XYZ	13.3142, 5.4574, 63.7067
YIQ	38.7480, -40.0860, 76.7300

Conversions

Conversions Part 2

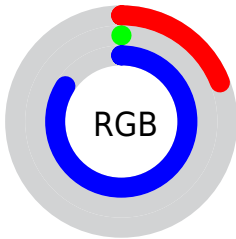
Format	Color
RYB	48, 0, 214
Decimal	3145942
CIELab	28.00, 70.02, -91.42
CIELCh	28, 115.150, 307.450
Yxy	5.4574, 0.1614, 0.0662
Android (android.graphics.Color)	4281336022 (0xFF3000D6)
YUV	38.7480, 86.3992, 8.1140
Hunter-Lab	23.3610, 60.8511, -145.3342

Details

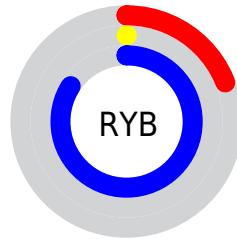
The CIELCh color **28, 115.150, 307.450** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **80, 87.627, 116.240**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 106.250, 307.811**, and **18, 93.137, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 115.033, 307.424**, and if you desaturate by 10%, it is **31, 109.355, 307.316**.

Distribution



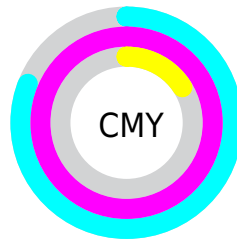
- Red (19%)
- Green (0%)
- Blue (84%)



- Red (19%)
- Yellow (0%)
- Blue (84%)



- Cyan (77%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)





- Cyan (81%)
- Magenta (100%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 115.150, 307.450 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, 115.150, 307.450 by changing the saturation by 10% instead.


 28, 115.150,
307.450


 28, 115.150,
307.450


 100, 115.150,
307.450


 18, 115.150,
307.450


 48, 115.150,
307.450


 8, 115.150,
307.450

 58, 115.150,
307.450

 0, 115.150,
307.450

 68, 115.150,
307.450

 78, 115.150,
307.450

 88, 115.150,
307.450

 98, 115.150,

307.450

■ 28, 115.150,
307.450

■ 28, 115.150,
307.450

■ 28, 115.033,
307.424

■ 31, 109.355,
307.316

■ 35, 100.273,
306.748

■ 40, 88.568,
305.790

■ 46, 75.587,
304.652

■ 52, 62.231,
303.485

■ 59, 48.989,
302.376

■ 65, 36.085,
301.365

■ 72, 23.611,
300.467

■ 79, 11.589,
299.681

Harmonies

Complementary

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



28, 115.150, 307.450



80, 87.627, 116.240

Rectangle

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



28, 115.150, 307.450



28, 115.150, 357.450



28, 115.150, 127.450



28, 115.150, 177.450

Sweetspot

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



28, 115.033, 307.424



77, 41.686, 301.394



64, 38.885, 239.633



37, 28.663, 301.812



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, 115.033, 307.424



34, 131.620, 307.353



41, 104.499, 317.808



41, 6.585, 299.639



21, 97.237, 307.537



2, 27.897, 299.648

Inverse Universe

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



48, 84.800, 339.936



57, 96.766, 340.086



75, 101.464, 133.563



42, 6.704, 332.031



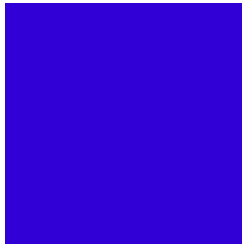
38, 71.978, 339.714



6, 27.902, 337.149

Previews

White Background



This preview shows how the CIELCh color 28, 115.150, 307.450 looks on a white background.

Color Contrast Check

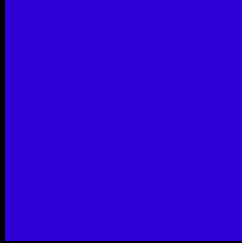
Large Text (above 18pt) WCAG AA ✓ Pass

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, 115.150, 307.450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

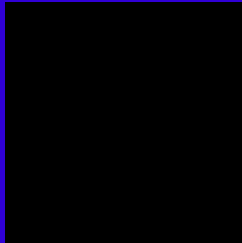
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 115.150, 307.450

Background



This preview shows how black text looks on a background with the CIELCh color 28, 115.150, 307.450.



This preview shows how white text looks on a background with the CIELCh color 28, 115.150, 307.450.

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, 115.223, 307.406

Protanopia

29, 46.628, 284.996

Deuteranopia

29, 32.216, 270.358



Tritanopia
28, 20.141, 204.020

Trichromacy



Original Color
28, 115.223, 307.406

Protanomaly
25, 78.250, 300.794

Deuteranomaly
25, 69.048, 298.867

Tritanomaly
23, 52.772, 294.318

Monochromacy



Original Color
28, 115.223, 307.406

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 52.203, 305.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 115.150, 307.450 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(48, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(48, 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(48, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 0, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 115.150, 307.450 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(48, 0, 214) }
```

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

```
.border{ border-color:rgb(48, 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(48, 0, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(48, 0, 214)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 115.150, 307.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 0, 214) }
```

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

```
.background{ background-color: rgb(48, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor