

Converting Colors

CIELCh(28, 112.287, 308.006)

Have a look what the booklet for
CIELCh(28, 112.287, 308.006)
contains.

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Color

CIELCh(28, 112.293, 307.976)

Conversions

Conversions Part 1

Format	Color
Hex	3900D1
RGB	57, 0, 209
RGB Percent	22%, 0%, 82%
CMY	0.7746, 1.0000, 0.1818
CMYK	0.72, 1.00, 0.00, 0.18
HSL	257°, 100%, 41%
HSV	257°, 100%, 82%
XYZ	13.1729, 5.4574, 60.4519
YIQ	40.8690, -33.1170, 77.0830

Conversions

Conversions Part 2

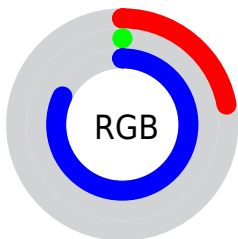
Format	Color
RYB	57, 0, 209
Decimal	3735761
CIELab	28.00, 69.10, -88.52
CIELCh	28, 112.293, 307.976
Yxy	5.4574, 0.1666, 0.0690
Android (android.graphics.Color)	4281925841 (0xFF3900D1)
YUV	40.8690, 82.8886, 14.1469
Hunter-Lab	23.3610, 59.7716, -137.0734

Details

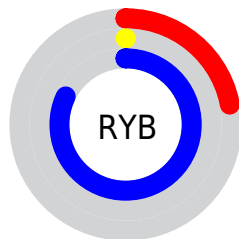
The CIELCh color **28, 112.293, 307.976** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **77, 87.281, 118.783**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 106.063, 308.277**, and **17, 91.390, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 112.186, 307.953**, and if you desaturate by 10%, it is **31, 106.605, 307.992**.

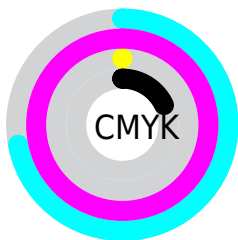
Distribution



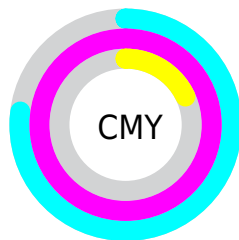
- Red (22%)
- Green (0%)
- Blue (82%)



- Red (22%)
- Yellow (0%)
- Blue (82%)



- Cyan (72%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)




- Cyan (77%)
- Magenta (100%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 112.293, 307.976 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, 112.293, 307.976 by changing the saturation by 10% instead.


 28, 112.293,
307.976


 28, 112.293,
307.976


 100, 112.293,
307.976


 18, 112.293,
307.976


 48, 112.293,
307.976


 8, 112.293,
307.976


 58, 112.293,
307.976

 0, 112.293,
307.976

 68, 112.293,
307.976

 78, 112.293,
307.976

 88, 112.293,
307.976

 98, 112.293,

307.976

■ 28, 112.293,
307.976

■ 28, 112.293,
307.976

■ 28, 112.186,
307.953

■ 31, 106.605,
307.992

■ 35, 97.875,
307.604

■ 40, 86.631,
306.840

■ 45, 74.097,
305.887

■ 51, 61.123,
304.884

■ 58, 48.192,
303.913

■ 64, 35.542,
303.015

■ 71, 23.277,
302.209

■ 77, 11.433,
301.495

Harmonies

Complementary

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



28, 112.293, 307.976



77, 87.281, 118.783

Rectangle

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



28, 112.293, 307.976



28, 112.293, 357.976



28, 112.293, 127.976



28, 112.293, 177.976

Sweetspot

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



28, 112.186, 307.953



77, 41.851, 303.045



59, 40.234, 250.083



38, 28.763, 303.419



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, 112.186, 307.953



35, 130.682, 307.857



41, 101.785, 319.488



41, 6.491, 301.456



22, 95.439, 308.081



2, 25.918, 300.165

Inverse Universe

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



47, 80.511, 343.273



57, 93.460, 343.502



74, 100.639, 134.309



41, 6.345, 333.907



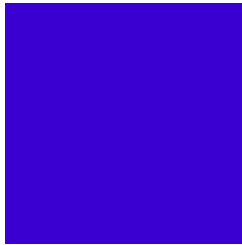
37, 68.802, 342.981



5, 25.157, 339.541

Previews

White Background



This preview shows how the CIELCh color 28, 112.293, 307.976 looks on a white background.

Color Contrast Check

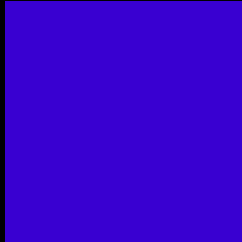
Large Text (above 18pt) WCAG AA ✓ Pass

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, 112.293, 307.976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

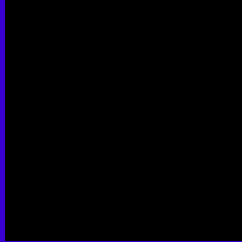
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 112.293, 307.976

Background



This preview shows how black text looks on a background with the CIELCh color 28, 112.293, 307.976.



This preview shows how white text looks on a background with the CIELCh color 28, 112.293, 307.976.

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, 112.379, 307.920

Protanopia

29, 46.628, 284.996

Deuteranopia

29, 32.216, 270.358



Tritanopia
29, 20.326, 203.933

Trichromacy



Original Color
28, 112.379, 307.920

Protanomaly
25, 77.641, 300.878

Deuteranomaly
24, 67.847, 298.870

Tritanomaly
23, 52.114, 294.479

Monochromacy



Original Color
28, 112.379, 307.920

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 51.356, 306.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 112.293, 307.976 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(57, 0, 209)` looks like.

```
.text, #text, p{  
    color:rgb(57, 0, 209)  
}
```

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(57, 0, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 0, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 112.293, 307.976 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(57, 0, 209) }
```

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

```
.border{ border-color:rgb(57, 0, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 0, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(57, 0, 209)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 112.293, 307.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 0, 209) }
```

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

```
.background{ background-color: rgb(57, 0,  
209) }
```

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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