

Converting Colors

CIELCh(28, 112.300, 305.073)

Have a look what the booklet for
CIELCh(28, 112.300, 305.073)
contains.

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Color

CIELCh(28, 112.148, 305.073)

Conversions

Conversions Part 1

Format	Color
Hex	0216D6
RGB	2, 22, 214
RGB Percent	1%, 9%, 84%
CMY	0.9920, 0.9131, 0.1601
CMYK	0.99, 0.90, 0.00, 0.16
HSL	234°, 98%, 42%
HSV	234°, 99%, 84%
XYZ	12.4747, 5.4574, 64.1286
YIQ	37.9080, -73.5520, 55.4720

Conversions

Conversions Part 2

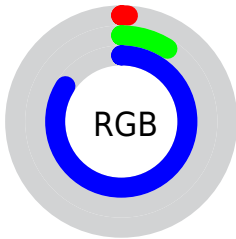
Format	Color
RYP	2, 20, 214
Decimal	136918
CIELab	28.00, 64.44, -91.78
CIElCh	28, 112.148, 305.073
Yxy	5.4574, 0.1520, 0.0665
Android (android.graphics.Color)	4278326998 (0xFF0216D6)
YUV	37.9080, 86.8134, -31.4913
Hunter-Lab	23.3610, 54.4365, -146.4049

Details

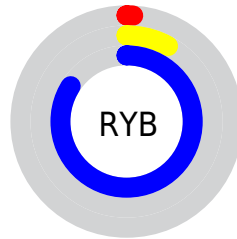
The CIELCh color **28, 112.148, 305.073** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **78, 79.233, 96.376**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 103.350, 305.192**, and **18, 93.137, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 112.766, 305.193**, and if you desaturate by 10%, it is **31, 103.729, 303.320**.

Distribution



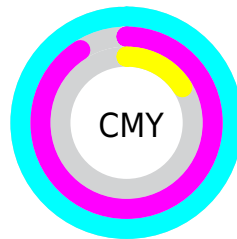
- Red (1%)
- Green (9%)
- Blue (84%)



- Red (1%)
- Yellow (8%)
- Blue (84%)



- Cyan (99%)
- Magenta (90%)
- Yellow (0%)
- Black (16%)





- Cyan (99%)
- Magenta (91%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 112.148, 305.073 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, 112.148, 305.073 by changing the saturation by 10% instead.


 28, 112.148,
305.073


 28, 112.148,
305.073


 100, 112.148,
305.073


 18, 112.148,
305.073


 48, 112.148,
305.073


 8, 112.148,
305.073


 58, 112.148,
305.073

 0, 112.148,
305.073

 68, 112.148,
305.073

 78, 112.148,
305.073

 88, 112.148,
305.073

 98, 112.148,

305.073

■ 28, 112.148,
305.073

■ 28, 112.148,
305.073

■ 28, 112.766,
305.193

■ 31, 103.729,
303.320

■ 35, 92.504,
300.993

■ 41, 79.999,
298.440

■ 47, 67.261,
295.929

■ 53, 54.789,
293.622

■ 60, 42.757,
291.587

■ 66, 31.192,
289.830

■ 73, 20.074,
288.329

■ 80, 9.368, 287.056

Harmonies

Complementary

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



28, 112.148, 305.073



78, 79.233, 96.376

Rectangle

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



28, 112.148, 305.073



28, 112.148, 355.073



28, 112.148, 125.073



28, 112.148, 175.073

Sweetspot

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



28, 112.150, 305.074



77, 37.203, 290.035



77, 48.200, 182.258



38, 25.592, 290.764



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, 112.150, 305.074



34, 129.281, 305.333



32, 111.388, 309.797



42, 5.881, 287.099



21, 94.484, 304.954



2, 25.762, 291.848

Inverse Universe

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



45, 87.083, 36.202



53, 100.482, 36.944



78, 92.354, 124.401



42, 4.577, 12.271



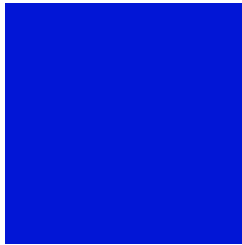
35, 73.455, 35.840



5, 21.966, 15.534

Previews

White Background



This preview shows how the CIELCh color 28, 112.148, 305.073 looks on a white background.

Color Contrast Check

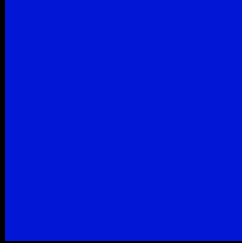
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 28, 112.148, 305.073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

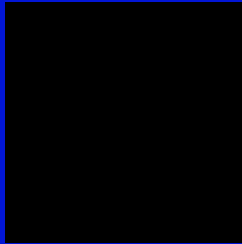
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 112.148, 305.073

Background



This preview shows how black text looks on a background with the CIELCh color 28, 112.148, 305.073.



This preview shows how white text looks on a background with the CIELCh color 28, 112.148, 305.073.

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, 112.130, 305.086

Protanopia

28, 46.169, 285.283

Deuteranopia

28, 31.141, 269.220



Tritanopia
28, 20.062, 202.141

Trichromacy



Original Color
28, 112.130, 305.086

Protanomaly
26, 73.427, 298.141

Deuteranomaly
26, 63.330, 295.263

Tritanomaly
25, 47.441, 288.624

Monochromacy



Original Color
28, 112.130, 305.086

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 48.021, 299.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 112.148, 305.073 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(2, 22, 214)` looks like.

```
.text, #text, p{  
    color:rgb(2, 22, 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(2, 22, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 22, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 112.148, 305.073 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(2, 22, 214) }
```

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

```
.border{ border-color:rgb(2, 22, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 22, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 22, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 22, 214);  
box-shadow:4px 4px 4px 4px rgb(2, 22, 214)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 112.148, 305.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 22, 214) }
```

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

```
.background{ background-color: rgb(2, 22,  
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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