

Converting Colors

CIELCh(28, 107.752, 305.060)

Have a look what the booklet for
CIELCh(28, 107.752, 305.060)
contains.

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Color

CIELCh(28, 107.578, 305.012)

Conversions

Conversions Part 1

Format	Color
Hex	171AD0
RGB	23, 26, 208
RGB Percent	9%, 10%, 82%
CMY	0.9114, 0.8986, 0.1848
CMYK	0.89, 0.88, 0.00, 0.18
HSL	239°, 80%, 45%
HSV	239°, 89%, 82%
XYZ	12.0784, 5.4574, 60.0037
YIQ	45.8510, -60.2100, 55.9660

Conversions

Conversions Part 2

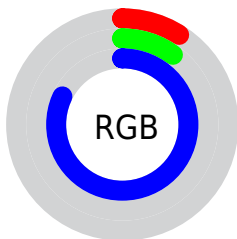
Format	Color
RYB	23, 26, 208
Decimal	1514192
CIELab	28.00, 61.72, -88.11
CIELCh	28, 107.578, 305.012
Yxy	5.4574, 0.1558, 0.0704
Android (android.graphics.Color)	4279704272 (0xFF171AD0)
YUV	45.8510, 79.9395, -20.0403
Hunter-Lab	23.3610, 51.4084, -135.9360

Details

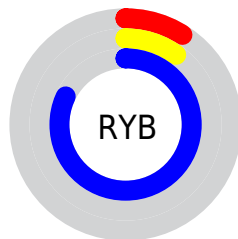
The CIELCh color **28, 107.578, 305.012** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **80, 79.566, 102.034**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 101.651, 304.999**, and **17, 90.952, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **26, 113.532, 306.038**, and if you desaturate by 10%, it is **32, 97.575, 303.265**.

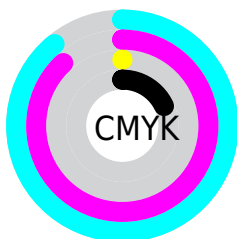
Distribution



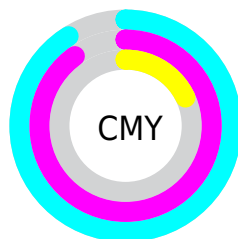
- Red (9%)
- Green (10%)
- Blue (82%)



- Red (9%)
- Yellow (10%)
- Blue (82%)



- Cyan (89%)
- Magenta (88%)
- Yellow (0%)
- Black (18%)





- Cyan (91%)
- Magenta (90%)
- Yellow (18%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 107.578, 305.012 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, 107.578, 305.012 by changing the saturation by 10% instead.


 28, 107.578,
305.012


 28, 107.578,
305.012


 100, 107.578,
305.012


 18, 107.578,
305.012


 48, 107.578,
305.012

 8, 107.578,
305.012

 58, 107.578,
305.012

 0, 107.578,
305.012

 68, 107.578,
305.012

 78, 107.578,
305.012

 88, 107.578,
305.012

 98, 107.578,

305.012

■ 28, 107.578,
305.012

■ 28, 107.578,
305.012

■ 26, 113.532,
306.038

■ 32, 97.575,
303.265

■ 26, 113.939,
306.104

■ 37, 85.121,
301.091

■ 43, 71.808,
298.817

■ 50, 58.527,
296.663

■ 57, 45.644,
294.736

■ 63, 33.268,
293.064

■ 70, 21.401,
291.635

■ 77, 10.016,
290.425

■ 84, 0.923, 109.308

Harmonies

Complementary

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



28, 107.578, 305.012



80, 79.566, 102.034

Rectangle

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



28, 107.578, 305.012



28, 107.578, 355.012



28, 107.578, 125.012



28, 107.578, 175.012

Sweetspot

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



28, 107.580, 305.013



78, 36.258, 292.787



76, 43.219, 191.869



39, 24.609, 293.321



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, 107.580, 305.013



33, 133.124, 306.145



35, 102.484, 311.615



40, 6.257, 290.456



20, 97.180, 306.049



2, 25.239, 292.812

Inverse Universe

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



44, 82.461, 36.289



53, 103.878, 39.514



76, 88.671, 125.888



41, 4.459, 18.499



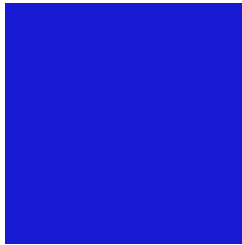
35, 75.718, 39.148



4, 20.016, 18.643

Previews

White Background



This preview shows how the CIELCh color 28, 107.578, 305.012 looks on a white background.

Color Contrast Check

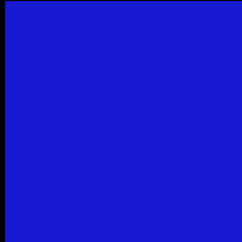
Large Text (above 18pt) WCAG AA ✓ Pass

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, 107.578, 305.012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

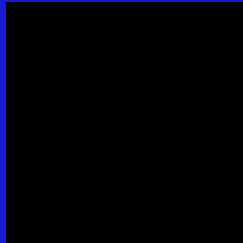
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 107.578, 305.012

Background



This preview shows how black text looks on a background with the CIELCh color 28, 107.578, 305.012.



This preview shows how white text looks on a background with the CIELCh color 28, 107.578, 305.012.

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, 107.578, 305.012

Protanopia

28, 45.575, 284.922

Deuteranopia

28, 31.665, 270.450



Tritanopia
28, 20.062, 202.141

Trichromacy



Original Color
28, 107.578, 305.012

Protanomaly
26, 70.986, 297.759

Deuteranomaly
26, 61.392, 294.887

Tritanomaly
25, 45.450, 287.964

Monochromacy



Original Color
28, 107.578, 305.012

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 44.561, 298.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 107.578, 305.012 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(23, 26, 208)` looks like.

```
.text, #text, p{  
    color:rgb(23, 26, 208)  
}
```

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(23, 26, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 26, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 107.578, 305.012 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(23, 26, 208) }
```

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

```
.border{ border-color:rgb(23, 26, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 26, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 26, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 26, 208);  
box-shadow:4px 4px 4px 4px rgb(23, 26,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 107.578, 305.012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 26, 208) }
```

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

```
.background{ background-color: rgb(23, 26,  
208) }
```

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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