

Converting Colors

CIELCh(28, 115.335, 305.572)

Have a look what the booklet for
CIELCh(28, 115.335, 305.572)
contains.

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Color

CIELCh(28, 115.539, 305.583)

Conversions

Conversions Part 1

Format	Color
Hex	0510DA
RGB	5, 16, 218
RGB Percent	2%, 6%, 85%
CMY	0.9815, 0.9376, 0.1453
CMYK	0.98, 0.93, 0.00, 0.15
HSL	237°, 96%, 44%
HSV	237°, 98%, 85%
XYZ	12.8898, 5.4574, 66.6637
YIQ	35.7390, -71.3980, 60.4900

Conversions

Conversions Part 2

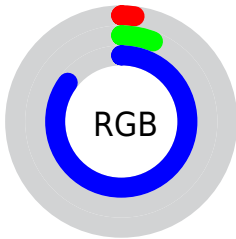
Format	Color
R _Y B	5, 15, 218
Decimal	331994
CIE Lab	28.00, 67.23, -93.96
CIE LCh	28, 115.539, 305.583
Yxy	5.4574, 0.1516, 0.0642
Android (android.graphics.Color)	4278522074 (0xFF0510DA)
YUV	35.7390, 89.8547, -26.9581
Hunter-Lab	23.3610, 57.6081, -152.8388

Details

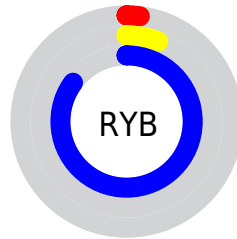
The CIELCh color **28, 115.539, 305.583** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **82, 82.439, 99.471**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **46, 104.332, 305.669**, and **18, 94.875, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 116.645, 305.771**, and if you desaturate by 10%, it is **31, 107.806, 304.143**.

Distribution



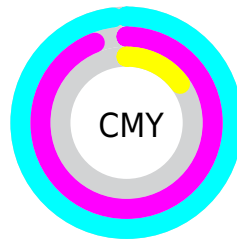
- Red (2%)
- Green (6%)
- Blue (85%)



- Red (2%)
- Yellow (6%)
- Blue (85%)



- Cyan (98%)
- Magenta (93%)
- Yellow (0%)
- Black (15%)





- Cyan (98%)
- Magenta (94%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 115.539, 305.583 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, 115.539, 305.583 by changing the saturation by 10% instead.


 28, 115.539,
305.583


 28, 115.539,
305.583


 100, 115.539,
305.583


 18, 115.539,
305.583


 48, 115.539,
305.583


 8, 115.539,
305.583

 58, 115.539,
305.583

 0, 115.539,
305.583

 68, 115.539,
305.583

 78, 115.539,
305.583

 88, 115.539,
305.583

 98, 115.539,

305.583

■ 28, 115.539,
305.583

■ 28, 115.539,
305.583

■ 28, 116.645,
305.771

■ 31, 107.806,
304.143

■ 35, 96.542,
302.065

■ 41, 83.523,
299.690

■ 47, 70.060,
297.312

■ 54, 56.807,
295.110

■ 61, 44.009,
293.162

■ 68, 31.721,
291.480

■ 75, 19.927,
290.046

■ 82, 8.594, 288.831

Harmonies

Complementary

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



28, 115.539, 305.583



82, 82.439, 99.471

Rectangle

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



28, 115.539, 305.583



28, 115.539, 355.583



28, 115.539, 125.583



28, 115.539, 175.583

Sweetspot

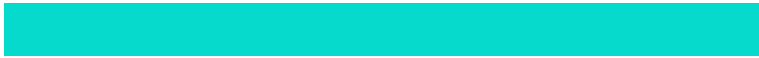
The Sweet Spot groups the original color and five complimentary colors.



28, 115.541, 305.584



77, 37.643, 291.703



79, 47.015, 186.770



38, 26.058, 292.411



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, 115.541, 305.584



33, 131.729, 305.855



33, 111.557, 310.472



42, 6.274, 289.011



21, 97.772, 305.607



2, 28.520, 293.791

Inverse Universe

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



46, 89.632, 37.735



53, 102.560, 38.559



79, 94.251, 125.603



43, 4.644, 15.681



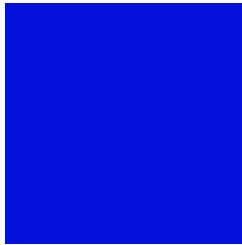
36, 76.035, 37.775



5, 23.767, 18.004

Previews

White Background



This preview shows how the CIELCh color 28, 115.539, 305.583 looks on a white background.

Color Contrast Check

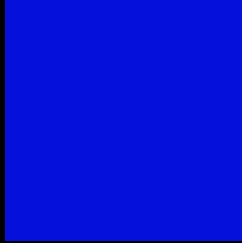
Large Text (above 18pt) WCAG AA ✓ Pass

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, 115.539, 305.583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

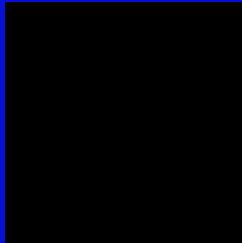
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 115.539, 305.583

Background



This preview shows how black text looks on a background with the CIELCh color 28, 115.539, 305.583.



This preview shows how white text looks on a background with the CIELCh color 28, 115.539, 305.583.

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, 115.539, 305.583

Protanopia

28, 45.510, 284.594

Deuteranopia

28, 31.673, 270.015



Tritanopia
28, 19.955, 204.109

Trichromacy



Original Color
28, 115.539, 305.583

Protanomaly
26, 75.290, 298.868

Deuteranomaly
25, 65.865, 296.373

Tritanomaly
24, 50.042, 290.494

Monochromacy



Original Color
28, 115.539, 305.583

Achromatopsia
14, 0.003, 296.813

Achromatomaly
16, 50.160, 300.385

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 115.539, 305.583 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(5, 16, 218)` looks like.

```
.text, #text, p{  
    color:rgb(5, 16, 218)  
}
```

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(5, 16, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 16, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 115.539, 305.583 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(5, 16, 218) }
```

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

```
.border{ border-color:rgb(5, 16, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 16, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 16, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 16, 218);  
box-shadow:4px 4px 4px 4px rgb(5, 16, 218)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 115.539, 305.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 16, 218) }
```

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

```
.background{ background-color: rgb(5, 16,  
218) }
```

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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