

Converting Colors

CIELCh(28, 99.092, 303.058)

Have a look what the booklet for
CIELCh(28, 99.092, 303.058)
contains.

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Color

CIELCh(28, 98.949, 303.026)

Conversions

Conversions Part 1

Format	Color
Hex	0125C7
RGB	1, 37, 199
RGB Percent	0%, 15%, 78%
CMY	0.9953, 0.8548, 0.2195
CMYK	0.99, 0.81, 0.00, 0.22
HSL	229°, 99%, 39%
HSV	229°, 99%, 78%
XYZ	10.9895, 5.4574, 54.5271
YIQ	44.7040, -73.4580, 42.7500

Conversions

Conversions Part 2

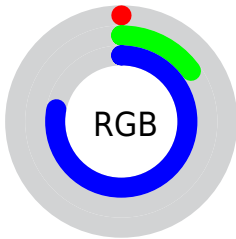
Format	Color
R_{YB}	1, 31, 199
Decimal	75207
CIE Lab	28.00, 53.93, -82.96
CIE LCh	28, 98.949, 303.026
Yxy	5.4574, 0.1548, 0.0769
Android (android.graphics.Color)	4278265287 (0xFF0125C7)
YUV	44.7040, 76.0679, -38.3284
Hunter-Lab	23.3610, 43.0879, -122.0363

Details

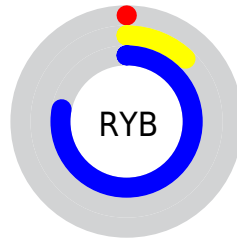
The CIELCh color **28, 98.949, 303.026** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **68, 71.394, 89.497**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 97.984, 303.058**, and **15, 86.986, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 99.454, 303.152**, and if you desaturate by 10%, it is **31, 89.589, 300.539**.

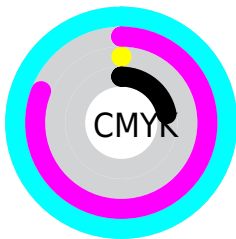
Distribution



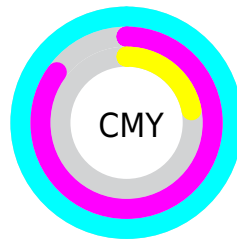
- Red (0%)
- Green (15%)
- Blue (78%)



- Red (0%)
- Yellow (12%)
- Blue (78%)



- Cyan (99%)
- Magenta (81%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (85%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 98.949, 303.026 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, 98.949, 303.026 by changing the saturation by 10% instead.

 28, 98.949,
303.026

 28, 98.949,
303.026

 100, 98.949,
303.026

 18, 98.949,
303.026


 48, 98.949,
303.026


 8, 98.949, 303.026

 58, 98.949,
303.026

 0, 98.949, 303.026

 68, 98.949,
303.026

 78, 98.949,
303.026

 88, 98.949,
303.026

 98, 98.949,

303.026

■ 28, 98.949,
303.026

■ 28, 98.949,
303.026

■ 28, 99.454,
303.152

■ 31, 89.589,
300.539

■ 36, 79.001,
297.686

■ 41, 68.058,
294.789

■ 46, 57.253,
292.053

■ 52, 46.776,
289.589

■ 58, 36.667,
287.433

■ 63, 26.912,
285.574

■ 69, 17.481,
283.985

■ 75, 8.347, 282.633

Harmonies

Complementary

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



28, 98.949, 303.026



68, 71.394, 89.497

Rectangle

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



28, 98.949, 303.026



28, 98.949, 353.026



28, 98.949, 123.026



28, 98.949, 173.026

Sweetspot

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



28, 98.951, 303.027



79, 33.634, 285.754



72, 50.461, 172.571



39, 23.109, 286.527



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, 98.951, 303.027



36, 121.245, 303.492



27, 107.198, 308.506



39, 5.032, 282.630



22, 84.822, 302.799



2, 18.811, 286.616

Inverse Universe

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



42, 77.959, 30.850



53, 95.118, 31.964



74, 85.127, 120.693



39, 4.395, 5.495



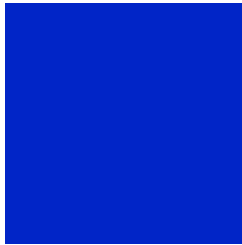
34, 67.047, 30.290



3, 16.132, 10.104

Previews

White Background



This preview shows how the CIE LCh color 28, 98.949, 303.026 looks on a white background.

Color Contrast Check

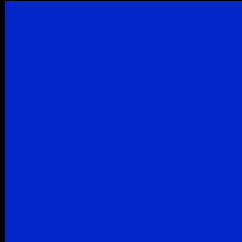
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.949, 303.026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

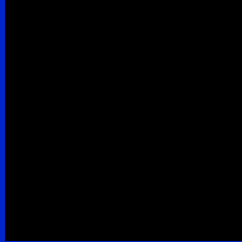
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 98.949, 303.026

Background



This preview shows how black text looks on a background with the CIELCh color 28, 98.949, 303.026.



This preview shows how white text looks on a background with the CIELCh color 28, 98.949, 303.026.

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, 98.949, 303.026

Protanopia

28, 46.169, 285.283

Deuteranopia

28, 31.141, 269.220



Tritanopia
28, 20.062, 202.141

Trichromacy



Original Color
28, 98.949, 303.026

Protanomaly
27, 66.634, 295.670

Deuteranomaly
27, 56.911, 292.090

Tritanomaly
26, 39.808, 281.832

Monochromacy



Original Color
28, 98.949, 303.026

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 39.998, 294.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 98.949, 303.026 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(1, 37, 199)` looks like.

```
.text, #text, p{  
    color:rgb(1, 37, 199)  
}
```

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(1, 37, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 37, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 98.949, 303.026 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(1, 37, 199) }
```

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

```
.border{ border-color:rgb(1, 37, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 37, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 37, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 37, 199);  
box-shadow:4px 4px 4px 4px rgb(1, 37, 199)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 98.949, 303.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 37, 199) }
```

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

```
.background{ background-color: rgb(1, 37,  
199) }
```

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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