

Converting Colors

CIELCh(28, 89.902, 301.304)

Have a look what the booklet for
CIELCh(28, 89.902, 301.304)
contains.

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Color

CIELCh(28, 90.111, 301.328)

Conversions

Conversions Part 1

Format	Color
Hex	002CBD
RGB	0, 44, 189
RGB Percent	0%, 17%, 74%
CMY	1.0000, 0.8279, 0.2594
CMYK	1.00, 0.77, 0.00, 0.26
HSL	226°, 100%, 37%
HSV	226°, 100%, 74%
XYZ	10.0592, 5.4574, 48.5894
YIQ	47.3740, -72.7690, 35.7670

Conversions

Conversions Part 2

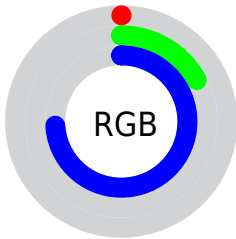
Format	Color
R _{YB}	0, 36, 189
Decimal	11453
CIE Lab	28.00, 46.85, -76.97
CIE LCh	28, 90.111, 301.328
Yxy	5.4574, 0.1569, 0.0851
Android (android.graphics.Color)	4278201533 (0xFF002CBD)
YUV	47.3740, 69.8216, -41.5470
Hunter-Lab	23.3610, 35.9795, -106.9665

Details

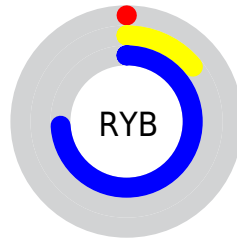
The CIELCh color **28, 90.111, 301.328** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **63, 67.287, 84.978**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 90.371, 301.375**, and **14, 81.786, 305.891** is the 20% darker color. If you saturate the color by 10%, you get **28, 90.105, 301.343**, and if you desaturate by 10%, it is **32, 80.975, 298.509**.

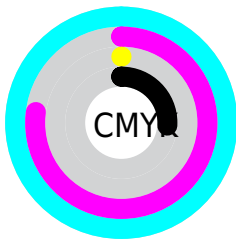
Distribution



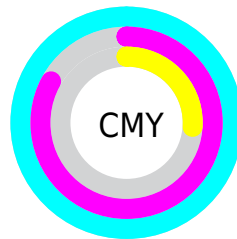
- Red (0%)
- Green (17%)
- Blue (74%)



- Red (0%)
- Yellow (14%)
- Blue (74%)



- Cyan (100%)
- Magenta (77%)
- Yellow (0%)
- Black (26%)





- Cyan (100%)
- Magenta (83%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 90.111, 301.328 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, 90.111, 301.328 by changing the saturation by 10% instead.


 28, 90.111,
301.328


 28, 90.111,
301.328


 100, 90.111,
301.328


 18, 90.111,
301.328


 48, 90.111,
301.328


 8, 90.111, 301.328

 58, 90.111,
301.328

 0, 90.111, 301.328

 68, 90.111,
301.328

 78, 90.111,
301.328

 88, 90.111,
301.328

 98, 90.111,

301.328

■ 28, 90.111,
301.328

■ 28, 90.111,
301.328

■ 28, 90.105,
301.343

■ 32, 80.975,
298.509

■ 36, 71.223,
295.391

■ 40, 61.402,
292.308

■ 45, 51.792,
289.436

■ 50, 42.484,
286.867

■ 55, 33.480,
284.624

■ 61, 24.755,
282.692

■ 66, 16.282,
281.037

■ 71, 8.038, 279.628

Harmonies

Complementary

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



28, 90.111, 301.328



63, 67.287, 84.978

Rectangle

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



28, 90.111, 301.328



28, 90.111, 351.328



28, 90.111, 121.328



28, 90.111, 171.328

Sweetspot

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



28, 90.105, 301.343



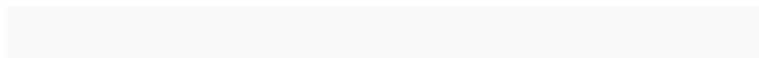
77, 30.582, 282.778



68, 51.796, 167.570



38, 20.980, 283.563



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28, 90.105, 301.343



37, 111.098, 301.795



25, 104.205, 307.907



37, 4.549, 279.545



23, 78.011, 300.950



2, 14.596, 283.058

Inverse Universe

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



40, 72.693, 27.019



51, 89.012, 28.002



71, 80.770, 118.248



37, 4.286, 1.627



33, 63.336, 26.186



3, 12.620, 6.272

Previews

White Background



This preview shows how the CIE LCh color 28, 90.111, 301.328 looks on a white background.

Color Contrast Check

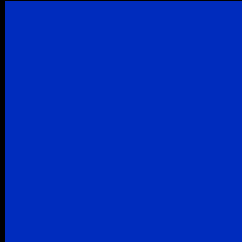
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.111, 301.328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

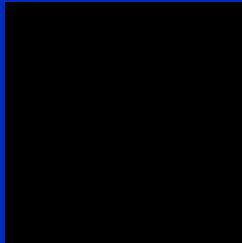
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 90.111, 301.328

Background



This preview shows how black text looks on a background with the CIELCh color 28, 90.111, 301.328.



This preview shows how white text looks on a background with the CIELCh color 28, 90.111, 301.328.

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, 90.111, 301.328

Protanopia

28, 46.169, 285.283

Deuteranopia

28, 31.673, 270.015

Trichromacy



Original Color
28, 90.111, 301.328

Protanomaly
28, 62.825, 294.022

Deuteranomaly
27, 53.049, 289.846

Monochromacy



Original Color
28, 90.111, 301.328

Achromatopsia
19, 0.004, 296.813

Achromatomaly
21, 35.796, 291.033

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 90.111, 301.328 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(0, 44, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 44, 189)  
}
```

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(0, 44, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 44, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 90.111, 301.328 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(0, 44, 189) }
```

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

```
.border{ border-color:rgb(0, 44, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 44, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 44, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 44, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 44, 189)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 90.111, 301.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 44, 189) }
```

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

```
.background{ background-color: rgb(0, 44,  
189) }
```

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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