

Converting Colors

CIELCh(28, 93.521, 302.199)

Have a look what the booklet for
CIELCh(28, 93.521, 302.199)
contains.

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Color

CIELCh(28, 93.780, 302.225)

Conversions

Conversions Part 1

Format	Color
Hex	0529C1
RGB	5, 41, 193
RGB Percent	2%, 16%, 76%
CMY	0.9788, 0.8397, 0.2437
CMYK	0.97, 0.79, 0.00, 0.24
HSL	229°, 95%, 39%
HSV	229°, 97%, 76%
XYZ	10.4672, 5.4574, 50.8761
YIQ	47.5640, -70.2480, 39.6400

Conversions

Conversions Part 2

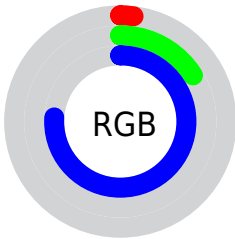
Format	Color
RYB	5, 35, 193
Decimal	338369
CIELab	28.00, 50.01, -79.33
CIELCh	28, 93.780, 302.225
Yxy	5.4574, 0.1567, 0.0817
Android (android.graphics.Color)	4278528449 (0xFF0529C1)
YUV	47.5640, 71.6999, -37.3286
Hunter-Lab	23.3610, 39.0974, -112.7702

Details

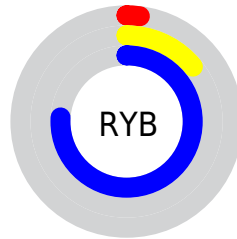
The CIELCh color **28, 93.780, 302.225** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **66, 69.048, 89.145**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 93.622, 302.079**, and **15, 84.763, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 96.183, 302.856**, and if you desaturate by 10%, it is **32, 84.256, 299.552**.

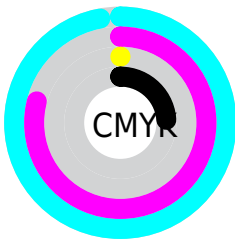
Distribution



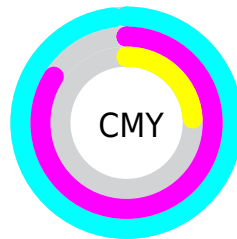
- Red (2%)
- Green (16%)
- Blue (76%)



- Red (2%)
- Yellow (14%)
- Blue (76%)



- Cyan (97%)
- Magenta (79%)
- Yellow (0%)
- Black (24%)





- Cyan (98%)
- Magenta (84%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 93.780, 302.225 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, 93.780, 302.225 by changing the saturation by 10% instead.

 28, 93.780,
302.225


 28, 93.780,
302.225

 100, 93.780,
302.225


 18, 93.780,
302.225


 48, 93.780,
302.225


 8, 93.780, 302.225

 58, 93.780,
302.225

 0, 93.780, 302.225

 68, 93.780,
302.225

 78, 93.780,
302.225

 88, 93.780,
302.225

 98, 93.780,

302.225

■ 28, 93.780,
302.225

■ 28, 93.780,
302.225

■ 27, 96.183,
302.856

■ 32, 84.256,
299.552

■ 36, 73.851,
296.628

■ 41, 63.294,
293.732

■ 46, 52.948,
291.039

■ 52, 42.937,
288.635

■ 57, 33.276,
286.541

■ 63, 23.944,
284.741

■ 68, 14.911,
283.202

■ 74, 6.153, 281.895

Harmonies

Complementary

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



28, 93.780, 302.225



66, 69.048, 89.145

Rectangle

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



28, 93.780, 302.225



28, 93.780, 352.225



28, 93.780, 122.225



28, 93.780, 172.225

Sweetspot

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



28, 93.781, 302.226



78, 31.622, 285.123



70, 49.895, 171.282



39, 21.843, 285.890



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



28, 93.781, 302.226



36, 118.365, 303.235



27, 103.841, 308.307



38, 4.880, 282.160



22, 83.046, 302.512



2, 16.906, 285.472

Inverse Universe

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



41, 74.463, 29.060



52, 93.101, 31.332



72, 82.107, 119.665



38, 4.313, 4.868



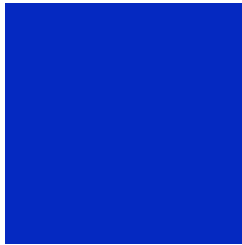
33, 65.879, 29.620



3, 14.260, 9.185

Previews

White Background



This preview shows how the CIELCh color 28, 93.780, 302.225 looks on a white background.

Color Contrast Check

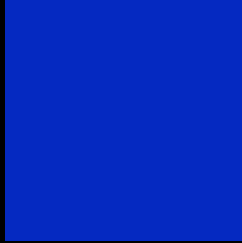
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.780, 302.225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

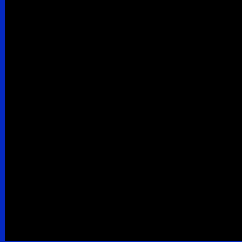
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 93.780, 302.225

Background



This preview shows how black text looks on a background with the CIELCh color 28, 93.780, 302.225.



This preview shows how white text looks on a background with the CIELCh color 28, 93.780, 302.225.

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, 93.794, 302.205

Protanopia

28, 45.575, 284.922

Deuteranopia

28, 31.665, 270.450



Tritanopia
28, 20.062, 202.141

Trichromacy



Original Color
28, 93.794, 302.205

Protanomaly
27, 63.495, 294.524

Deuteranomaly
27, 55.006, 291.270

Tritanomaly
26, 37.954, 280.203

Monochromacy



Original Color
28, 93.794, 302.205

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 37.735, 293.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 93.780, 302.225 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, 41, 193)` looks like.

```
.text, #text, p{  
    color:rgb(5, 41, 193)  
}
```

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, 41, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 41, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 93.780, 302.225 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, 41, 193) }
```

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

```
.border{ border-color:rgb(5, 41, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 41, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 41, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 41, 193);  
box-shadow:4px 4px 4px 4px rgb(5, 41, 193)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 93.780, 302.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 41, 193) }
```

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

```
.background{ background-color: rgb(5, 41,  
193) }
```

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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