

Converting Colors

CIELCh(22, 113.011, 315.781)

Have a look what the booklet for
CIELCh(22, 113.011, 315.781)
contains.

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Color

CIELCh(28, 94.222, 312.199)

Conversions

Conversions Part 1

Format	Color
Hex	5B02B1
RGB	91, 2, 177
RGB Percent	36%, 1%, 69%
CMY	0.6423, 0.9923, 0.3054
CMYK	0.48, 0.99, 0.00, 0.31
HSL	271°, 98%, 35%
HSV	271°, 99%, 69%
XYZ	12.3057, 5.4574, 42.0649
YIQ	48.5610, -3.1310, 73.2930

Conversions

Conversions Part 2

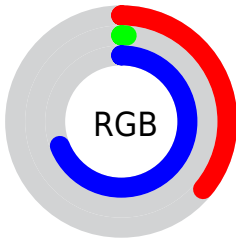
Format	Color
RYB	91, 2, 177
Decimal	5964465
CIELab	28.00, 63.29, -69.80
CIElCh	28, 94.222, 312.199
Yxy	5.4574, 0.2057, 0.0912
Android (android.graphics.Color)	4284154545 (0xFF5B02B1)
YUV	48.5610, 63.3204, 37.2190
Hunter-Lab	23.3610, 53.1450, -90.4075

Details

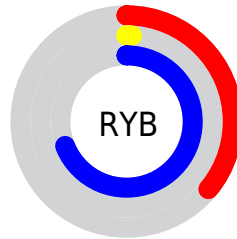
The CIELCh color **28, 94.222, 312.199** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **65, 82.839, 128.208**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 94.030, 312.121**, and **13, 76.912, 307.186** is the 20% darker color. If you saturate the color by 10%, you get **28, 94.709, 312.152**, and if you desaturate by 10%, it is **30, 89.649, 312.673**.

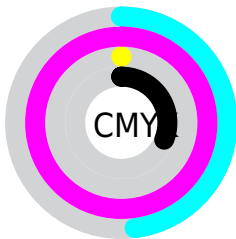
Distribution



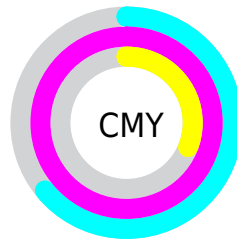
- Red (36%)
- Green (1%)
- Blue (69%)



- Red (36%)
- Yellow (1%)
- Blue (69%)



- Cyan (48%)
- Magenta (99%)
- Yellow (0%)
- Black (31%)




- Cyan (64%)
- Magenta (99%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 94.222, 312.199 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, 94.222, 312.199 by changing the saturation by 10% instead.

 28, 94.222,
312.199


 28, 94.222,
312.199

 100, 94.222,
312.199


 18, 94.222,
312.199


 48, 94.222,
312.199


 8, 94.222, 312.199

 58, 94.222,
312.199

 0, 94.222, 312.199

 68, 94.222,
312.199

 78, 94.222,
312.199

 88, 94.222,
312.199

 98, 94.222,

312.199

■ 28, 94.222,
312.199

■ 28, 94.222,
312.199

■ 28, 94.709,
312.152

■ 30, 89.649,
312.673

■ 33, 82.801,
312.816

■ 37, 73.934,
312.652

■ 42, 63.779,
312.289

■ 47, 52.946,
311.816

■ 52, 41.859,
311.295

■ 57, 30.786,
310.768

■ 62, 19.882,
310.259

■ 67, 9.231, 309.778

Harmonies

Complementary

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



28, 94.222, 312.199



65, 82.839, 128.208

Rectangle

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



28, 94.222, 312.199



28, 94.222, 2.199



28, 94.222, 132.199



28, 94.222, 182.199

Sweetspot

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



28, 94.222, 312.200



71, 39.535, 310.852



39, 54.156, 283.460



35, 27.061, 311.069



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



28, 94.222, 312.200



37, 115.161, 311.960



42, 87.701, 328.224



35, 5.921, 309.799



23, 84.917, 312.283



1, 13.862, 305.548

Inverse Universe

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



38, 64.234, 2.333



49, 78.086, 3.593



63, 90.854, 136.063



35, 4.726, 344.898



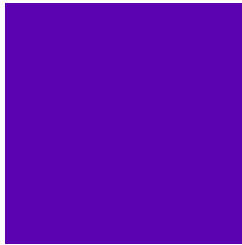
32, 57.859, 2.211



2, 10.548, 350.396

Previews

White Background



This preview shows how the CIE LCh color 28, 94.222, 312.199 looks on a white background.

Color Contrast Check

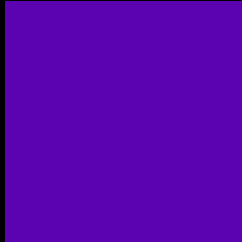
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.222, 312.199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

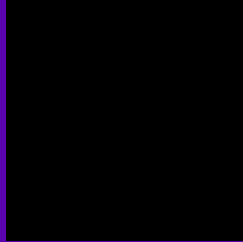
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 94.222, 312.199

Background



This preview shows how black text looks on a background with the CIELCh color 28, 94.222, 312.199.



This preview shows how white text looks on a background with the CIELCh color 28, 94.222, 312.199.

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

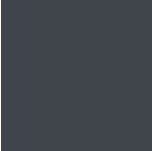
28, 94.183, 312.178

Protanopia

29, 47.219, 285.346

Deuteranopia

29, 32.757, 270.687



Tritanopia
29, 4.354, 262.022

Trichromacy



Original Color
28, 94.183, 312.178

Protanomaly
25, 70.583, 300.761

Deuteranomaly
24, 61.085, 298.724

Tritanomaly
25, 44.425, 309.965

Monochromacy



Original Color
28, 94.183, 312.178

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 43.600, 312.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 94.222, 312.199 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(91, 2, 177)` looks like.

```
.text, #text, p{  
    color:rgb(91, 2, 177)  
}
```

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(91, 2, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 2, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 94.222, 312.199 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(91, 2, 177) }
```

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

```
.border{ border-color:rgb(91, 2, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 2, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 2, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 2, 177);  
box-shadow:4px 4px 4px 4px rgb(91, 2, 177)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 94.222, 312.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 2, 177) }
```

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

```
.background{ background-color: rgb(91, 2,  
177) }
```

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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