

Converting Colors

CIELCh(28, 90.382, 312.279)

Have a look what the booklet for
CIELCh(28, 90.382, 312.279)
contains.

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Color

CIELCh(28, 90.225, 312.368)

Conversions

Conversions Part 1

Format	Color
Hex	5C0AAC
RGB	92, 10, 172
RGB Percent	36%, 4%, 67%
CMY	0.6396, 0.9616, 0.3259
CMYK	0.47, 0.94, 0.00, 0.33
HSL	270°, 89%, 36%
HSV	270°, 94%, 67%
XYZ	11.9461, 5.4574, 39.4027
YIQ	52.9860, -3.1300, 67.7660

Conversions

Conversions Part 2

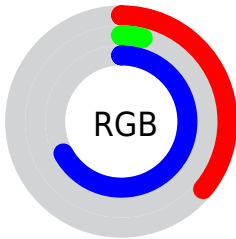
Format	Color
RYB	92, 10, 172
Decimal	6032044
CIELab	28.00, 60.80, -66.66
CIELCh	28, 90.225, 312.368
Yxy	5.4574, 0.2103, 0.0961
Android (android.graphics.Color)	4284222124 (0xFF5C0AAC)
YUV	52.9860, 58.6739, 34.2153
Hunter-Lab	23.3610, 50.3977, -83.6509

Details

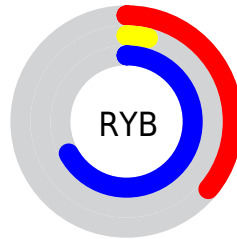
The CIELCh color **28, 90.225, 312.368** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **63, 79.384, 127.637**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 90.589, 312.322**, and **13, 74.066, 307.738** is the 20% darker color. If you saturate the color by 10%, you get **27, 92.672, 312.105**, and if you desaturate by 10%, it is **31, 84.806, 312.708**.

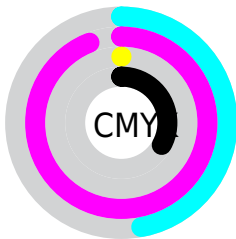
Distribution



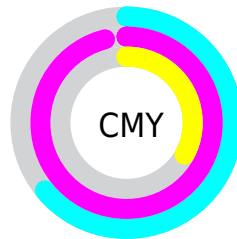
- Red (36%)
- Green (4%)
- Blue (67%)



- Red (36%)
- Yellow (4%)
- Blue (67%)



- Cyan (47%)
- Magenta (94%)
- Yellow (0%)
- Black (33%)





- Cyan (64%)
- Magenta (96%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 90.225, 312.368 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, 90.225, 312.368 by changing the saturation by 10% instead.

 28, 90.225,
312.368

 28, 90.225,
312.368

 100, 90.225,
312.368

 18, 90.225,
312.368


 48, 90.225,
312.368


 8, 90.225, 312.368

 58, 90.225,
312.368

 0, 90.225, 312.368

 68, 90.225,
312.368

 78, 90.225,
312.368

 88, 90.225,
312.368

 98, 90.225,

312.368

■ 28, 90.225,
312.368

■ 28, 90.225,
312.368

■ 27, 92.672,
312.105

■ 31, 84.806,
312.708

■ 34, 77.074,
312.685

■ 38, 67.724,
312.409

■ 43, 57.428,
311.981

■ 47, 46.693,
311.475

■ 53, 35.855,
310.945

■ 58, 25.114,
310.423

■ 63, 14.585,
309.926

■ 68, 4.326, 309.452

Harmonies

Complementary

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



28, 90.225, 312.368



63, 79.384, 127.637

Rectangle

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



28, 90.225, 312.368



28, 90.225, 2.368



28, 90.225, 132.368



28, 90.225, 182.368

Sweetspot

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



28, 90.225, 312.369



71, 36.129, 310.640



39, 50.376, 281.361



35, 25.027, 310.860



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



28, 90.225, 312.369



36, 113.289, 311.902



41, 84.848, 328.187



34, 5.777, 309.689



23, 83.921, 312.227



1, 11.843, 306.067

Inverse Universe

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



37, 62.229, 0.171



48, 76.808, 3.224



61, 87.728, 136.259



34, 4.623, 344.722



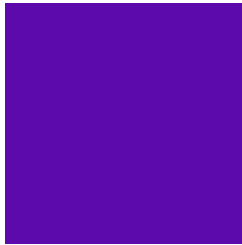
32, 57.185, 1.850



2, 9.103, 349.150

Previews

White Background



This preview shows how the CIELCh color 28, 90.225, 312.368 looks on a white background.

Color Contrast Check

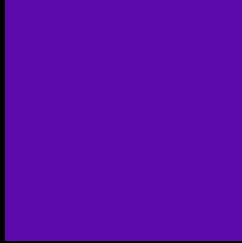
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.225, 312.368 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, 90.225, 312.368

Background



This preview shows how black text looks on a background with the CIELCh color 28, 90.225, 312.368.



This preview shows how white text looks on a background with the CIELCh color 28, 90.225, 312.368.

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

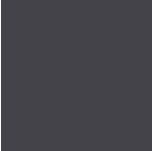
28, 90.225, 312.368

Protanopia

29, 46.628, 284.996

Deuteranopia

29, 32.752, 271.108



Tritanopia
29, 3.875, 290.929

Trichromacy



Original Color
28, 90.225, 312.368

Protanomaly
25, 66.915, 299.643

Deuteranomaly
25, 58.527, 297.753

Tritanomaly
26, 42.033, 311.125

Monochromacy



Original Color
28, 90.225, 312.368

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 40.301, 312.212

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 90.225, 312.368 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(92, 10, 172)` looks like.

```
.text, #text, p{  
    color:rgb(92, 10, 172)  
}
```

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(92, 10, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 10, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 90.225, 312.368 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(92, 10, 172) }
```

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

```
.border{ border-color:rgb(92, 10, 172) }
```

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

Here you see how a box with a 4 pixel rgb(92, 10, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 10, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 10, 172);  
box-shadow:4px 4px 4px 4px rgb(92, 10,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 90.225, 312.368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 10, 172) }
```

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

```
.background{ background-color: rgb(92, 10,  
172) }
```

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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