

Converting Colors

CIELCh(27, 90.970, 312.881)

Have a look what the booklet for
CIELCh(27, 90.970, 312.881)
contains.

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Color

CIELCh(27, 90.877, 312.882)

Conversions

Conversions Part 1

Format	Color
Hex	5B00A9
RGB	91, 0, 169
RGB Percent	36%, 0%, 66%
CMY	0.6430, 0.9997, 0.3371
CMYK	0.46, 1.00, 0.00, 0.34
HSL	272°, 100%, 33%
HSV	272°, 100%, 66%
XYZ	11.4841, 5.0937, 37.9331
YIQ	46.4750, -0.0130, 71.8510

Conversions

Conversions Part 2

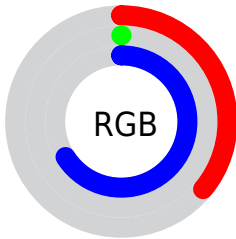
Format	Color
RYB	91, 0, 169
Decimal	5963945
CIELab	27.00, 61.84, -66.59
CIELCh	27, 90.877, 312.882
Yxy	5.0937, 0.2107, 0.0934
Android (android.graphics.Color)	4284154025 (0xFF5B00A9)
YUV	46.4750, 60.4048, 39.0484
Hunter-Lab	22.5692, 51.3323, -83.8530

Details

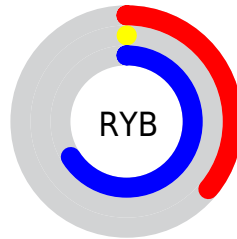
The CIELCh color **27, 90.877, 312.882** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **62, 81.055, 129.148**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 90.651, 312.879**, and **12, 72.725, 307.730** is the 20% darker color. If you saturate the color by 10%, you get **27, 90.894, 312.881**, and if you desaturate by 10%, it is **29, 86.601, 313.369**.

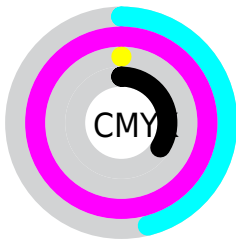
Distribution



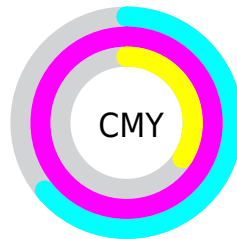
- Red (36%)
- Green (0%)
- Blue (66%)



- Red (36%)
- Yellow (0%)
- Blue (66%)



- Cyan (46%)
- Magenta (100%)
- Yellow (0%)
- Black (34%)





- Cyan (64%)
- Magenta (100%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 90.877, 312.882 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 27, 90.877, 312.882 by changing the saturation by 10% instead.

 27, 90.877,
312.882

 27, 90.877,
312.882

 100, 90.877,
312.882


 17, 90.877,
312.882

 47, 90.877,
312.882


 7, 90.877, 312.882

 57, 90.877,
312.882

 0, 90.877, 312.882

 67, 90.877,
312.882

 77, 90.877,
312.882

 87, 90.877,
312.882

 97, 90.877,

312.882

■ 27, 90.877,
312.882

■ 27, 90.877,
312.882

■ 27, 90.894,
312.881

■ 29, 86.601,
313.369

■ 32, 80.364,
313.579

■ 36, 72.123,
313.482

■ 40, 62.549,
313.178

■ 44, 52.229,
312.753

■ 49, 41.592,
312.270

■ 54, 30.914,
311.770

■ 59, 20.362,
311.280

■ 64, 10.032,
310.813

Harmonies

Complementary

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



27, 90.877, 312.882



62, 81.055, 129.148

Rectangle

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



27, 90.877, 312.882



27, 90.877, 2.882



27, 90.877, 132.882



27, 90.877, 182.882

Sweetspot

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



27, 90.877, 312.883



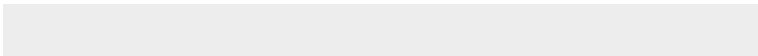
69, 38.277, 311.798



35, 56.287, 286.849



33, 26.175, 312.000



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



27, 90.877, 312.883



36, 110.557, 312.680



40, 82.752, 329.592



33, 5.673, 310.782



23, 82.307, 313.004



1, 10.073, 307.814

Inverse Universe

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



36, 62.056, 5.332



47, 75.336, 6.273



60, 87.378, 136.318



33, 4.416, 346.513



31, 56.278, 4.788



2, 7.634, 349.580

Previews

White Background



This preview shows how the CIELCh color 27, 90.877, 312.882 looks on a white background.

Color Contrast Check

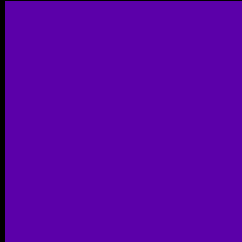
Large Text (above 18pt) WCAG AA ✓ Pass

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 27, 90.877, 312.882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

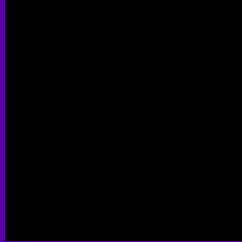
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 90.877, 312.882

Background



This preview shows how black text looks on a background with the CIELCh color 27, 90.877, 312.882.



This preview shows how white text looks on a background with the CIELCh color 27, 90.877, 312.882.

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

27, 90.877, 312.882

Protanopia

28, 46.169, 285.283

Deuteranopia

28, 32.209, 270.785



Tritanopia
28, 3.273, 298.428

Trichromacy



Original Color
27, 90.877, 312.882

Protanomaly
24, 68.467, 300.924

Deuteranomaly
23, 59.491, 298.957

Tritanomaly
24, 43.586, 312.650

Monochromacy



Original Color
27, 90.877, 312.882

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 41.973, 313.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 90.877, 312.882 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, 0, 169)` looks like.

```
.text, #text, p{  
    color:rgb(91, 0, 169)  
}
```

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, 0, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 0, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 90.877, 312.882 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, 0, 169) }
```

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

```
.border{ border-color:rgb(91, 0, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 0, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 0, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 0, 169);  
box-shadow:4px 4px 4px 4px rgb(91, 0, 169)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 90.877, 312.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 0, 169) }
```

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

```
.background{ background-color: rgb(91, 0,  
169) }
```

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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