

Converting Colors

CIELCh(27, 90.644, 312.675)

Have a look what the booklet for
CIELCh(27, 90.644, 312.675)
contains.

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Color

CIELCh(27, 90.591, 312.652)

Conversions

Conversions Part 1

Format	Color
Hex	5A02A9
RGB	90, 2, 169
RGB Percent	35%, 1%, 66%
CMY	0.6466, 0.9915, 0.3369
CMYK	0.47, 0.99, 0.00, 0.34
HSL	272°, 97%, 34%
HSV	272°, 99%, 66%
XYZ	11.4199, 5.0937, 37.9633
YIQ	47.3500, -1.1590, 70.5930

Conversions

Conversions Part 2

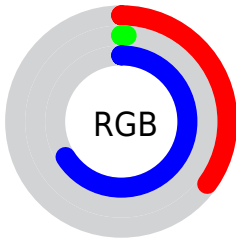
Format	Color
RYB	90, 2, 169
Decimal	5898921
CIELab	27.00, 61.38, -66.63
CIELCh	27, 90.591, 312.652
Yxy	5.0937, 0.2096, 0.0935
Android (android.graphics.Color)	4284089001 (0xFF5A02A9)
YUV	47.3500, 59.9734, 37.4040
Hunter-Lab	22.5692, 50.8244, -83.9324

Details

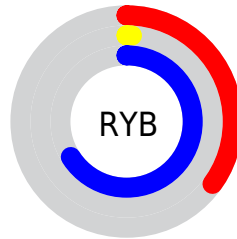
The CIELCh color **27, 90.591, 312.652** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **62, 80.367, 128.691**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 90.177, 312.605**, and **12, 72.901, 307.559** is the 20% darker color. If you saturate the color by 10%, you get **27, 91.141, 312.599**, and if you desaturate by 10%, it is **29, 86.133, 313.120**.

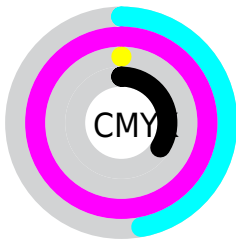
Distribution



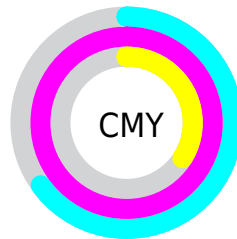
- Red (35%)
- Green (1%)
- Blue (66%)



- Red (35%)
- Yellow (1%)
- Blue (66%)



- Cyan (47%)
- Magenta (99%)
- Yellow (0%)
- Black (34%)





- Cyan (65%)
- Magenta (99%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 90.591, 312.652 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, 90.591, 312.652 by changing the saturation by 10% instead.

 27, 90.591,
312.652


 27, 90.591,
312.652

 100, 90.591,
312.652


 17, 90.591,
312.652


 47, 90.591,
312.652


 7, 90.591, 312.652

 57, 90.591,
312.652

 0, 90.591, 312.652

 67, 90.591,
312.652

 77, 90.591,
312.652

 87, 90.591,
312.652

 97, 90.591,

312.652

■ 27, 90.591,
312.652

■ 27, 90.591,
312.652

■ 27, 91.141,
312.599

■ 29, 86.133,
313.120

■ 32, 79.542,
313.271

■ 36, 71.033,
313.126

■ 40, 61.289,
312.786

■ 45, 50.882,
312.335

■ 50, 40.216,
311.835

■ 55, 29.549,
311.326

■ 60, 19.034,
310.831

■ 65, 8.753, 310.361

Harmonies

Complementary

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



27, 90.591, 312.652



62, 80.367, 128.691

Rectangle

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



27, 90.591, 312.652



27, 90.591, 2.652



27, 90.591, 132.652



27, 90.591, 182.652

Sweetspot

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



27, 90.591, 312.653



69, 38.204, 311.417



36, 53.794, 284.837



33, 26.130, 311.623



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, 90.591, 312.653



36, 110.836, 312.398



40, 83.614, 328.883



33, 5.659, 310.387



23, 82.509, 312.723



1, 10.052, 307.442

Inverse Universe

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



36, 61.909, 3.733



47, 75.364, 5.140



60, 87.415, 136.221



33, 4.450, 345.854



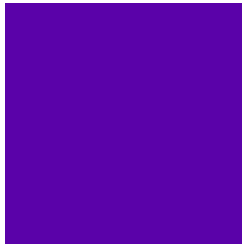
31, 56.331, 3.693



2, 7.683, 348.968

Previews

White Background



This preview shows how the CIE LCh color 27, 90.591, 312.652 looks on a white background.

Color Contrast Check

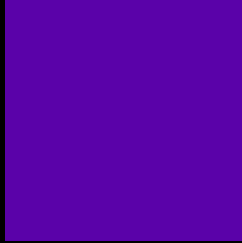
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.591, 312.652 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, 90.591, 312.652

Background



This preview shows how black text looks on a background with the CIELCh color 27, 90.591, 312.652.



This preview shows how white text looks on a background with the CIELCh color 27, 90.591, 312.652.

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

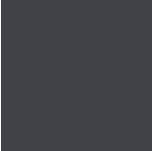
27, 90.591, 312.652

Protanopia

28, 46.169, 285.283

Deuteranopia

28, 32.204, 271.215



Tritanopia
28, 3.260, 283.217

Trichromacy



Original Color
27, 90.591, 312.652

Protanomaly
24, 67.819, 300.632

Deuteranomaly
23, 59.491, 298.957

Tritanomaly
24, 42.856, 311.460

Monochromacy



Original Color
27, 90.591, 312.652

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 41.315, 313.098

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 90.591, 312.652 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(90, 2, 169)` looks like.

```
.text, #text, p{  
    color:rgb(90, 2, 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(90, 2, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 2, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 90.591, 312.652 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(90, 2, 169) }
```

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

```
.border{ border-color:rgb(90, 2, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 2, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 2, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 2, 169);  
box-shadow:4px 4px 4px 4px rgb(90, 2, 169)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 90.591, 312.652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 2, 169) }
```

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

```
.background{ background-color: rgb(90, 2,  
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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