

Converting Colors

CIELCh(27, 94.544, 311.812)

Have a look what the booklet for
CIELCh(27, 94.544, 311.812)
contains.

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Color

CIELCh(27, 94.223, 311.749)

Conversions

Conversions Part 1

Format	Color
Hex	5600AF
RGB	86, 0, 175
RGB Percent	34%, 0%, 69%
CMY	0.6620, 0.9990, 0.3131
CMYK	0.51, 1.00, 0.00, 0.31
HSL	269°, 100%, 34%
HSV	269°, 100%, 69%
XYZ	11.6099, 5.0937, 41.0096
YIQ	45.6640, -4.9190, 72.6570

Conversions

Conversions Part 2

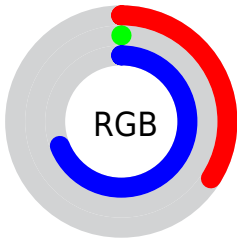
Format	Color
RYB	86, 0, 175
Decimal	5636271
CIELab	27.00, 62.74, -70.30
CIELCh	27, 94.223, 311.749
Yxy	5.0937, 0.2012, 0.0883
Android (android.graphics.Color)	4283826351 (0xFF5600AF)
YUV	45.6640, 63.7626, 35.3747
Hunter-Lab	22.5692, 52.3271, -91.9352

Details

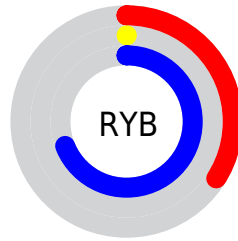
The CIELCh color **27, 94.223, 311.749** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **64, 81.980, 127.675**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 94.177, 311.648**, and **12, 76.738, 306.570** is the 20% darker color. If you saturate the color by 10%, you get **27, 94.289, 311.744**, and if you desaturate by 10%, it is **29, 89.663, 312.199**.

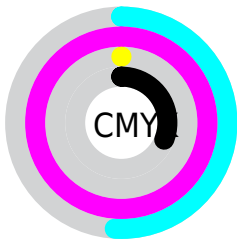
Distribution



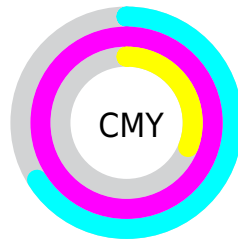
- Red (34%)
- Green (0%)
- Blue (69%)



- Red (34%)
- Yellow (0%)
- Blue (69%)



- Cyan (51%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)




- Cyan (66%)
- Magenta (100%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 94.223, 311.749 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, 94.223, 311.749 by changing the saturation by 10% instead.

 27, 94.223,
311.749

 27, 94.223,
311.749

 100, 94.223,
311.749

 17, 94.223,
311.749


 47, 94.223,
311.749


 7, 94.223, 311.749

 57, 94.223,
311.749

 0, 94.223, 311.749

 67, 94.223,
311.749

 77, 94.223,
311.749

 87, 94.223,
311.749

 97, 94.223,

311.749

■ 27, 94.223,
311.749

■ 27, 94.223,
311.749

■ 27, 94.289,
311.744

■ 29, 89.663,
312.199

■ 32, 82.975,
312.345

■ 36, 74.231,
312.172

■ 41, 64.177,
311.791

■ 45, 53.437,
311.297

■ 50, 42.444,
310.756

■ 56, 31.468,
310.210

■ 61, 20.663,
309.685

■ 66, 10.115,
309.192

Harmonies

Complementary

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



27, 94.223, 311.749



64, 81.980, 127.675

Rectangle

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



27, 94.223, 311.749



27, 94.223, 1.749



27, 94.223, 131.749



27, 94.223, 181.749

Sweetspot

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



27, 94.224, 311.750



71, 39.066, 310.246



39, 52.417, 282.127



35, 26.990, 310.470



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



27, 94.224, 311.750



36, 114.644, 311.550



41, 87.229, 327.577



34, 5.759, 309.165



23, 84.192, 311.882



1, 11.814, 305.581

Inverse Universe

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



38, 64.043, 0.939



49, 77.630, 1.790



62, 90.247, 135.949



34, 4.671, 343.896



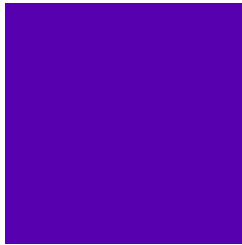
32, 57.346, 0.439



2, 9.183, 348.333

Previews

White Background



This preview shows how the CIE LCh color 27, 94.223, 311.749 looks on a white background.

Color Contrast Check

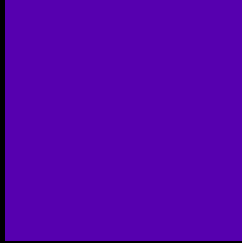
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.223, 311.749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

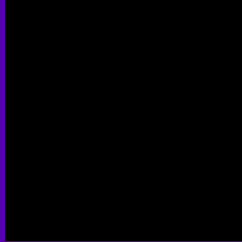
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 94.223, 311.749

Background



This preview shows how black text looks on a background with the CIELCh color 27, 94.223, 311.749.



This preview shows how white text looks on a background with the CIELCh color 27, 94.223, 311.749.

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, 94.223, 311.749

Protanopia

28, 46.169, 285.283

Deuteranopia

28, 32.204, 271.215



Tritanopia
28, 5.877, 240.411

Trichromacy



Original Color
27, 94.223, 311.749

Protanomaly
24, 70.227, 300.923

Deuteranomaly
23, 61.406, 299.244

Tritanomaly
24, 45.119, 308.196

Monochromacy



Original Color
27, 94.223, 311.749

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 43.780, 312.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 94.223, 311.749 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(86, 0, 175)` looks like.

```
.text, #text, p{  
    color:rgb(86, 0, 175)  
}
```

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(86, 0, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 0, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 94.223, 311.749 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(86, 0, 175) }
```

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

```
.border{ border-color:rgb(86, 0, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 0, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 0, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 0, 175);  
box-shadow:4px 4px 4px 4px rgb(86, 0, 175)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 94.223, 311.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 0, 175) }
```

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

```
.background{ background-color: rgb(86, 0,  
175) }
```

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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