

Converting Colors

CIELCh(27, 94.693, 311.648)

Have a look what the booklet for
CIELCh(27, 94.693, 311.648)
contains.

CIELCh(27, 94.682, 311.682)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(27, 94.682, 311.682)

Conversions

Conversions Part 1

Format	Color
Hex	5600B0
RGB	86, 0, 176
RGB Percent	34%, 0%, 69%
CMY	0.6634, 1.0000, 0.3104
CMYK	0.51, 1.00, 0.00, 0.31
HSL	269°, 100%, 34%
HSV	269°, 100%, 69%
XYZ	11.6413, 5.0937, 41.3651
YIQ	45.7780, -5.2400, 72.9680

Conversions

Conversions Part 2

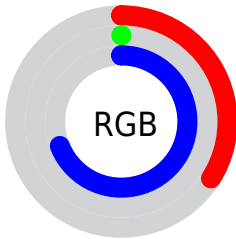
Format	Color
R_{YB}	86, 0, 176
Decimal	5636272
CIE _{Lab}	27.00, 62.96, -70.71
CIE _{LCh}	27, 94.682, 311.682
Yxy	5.0937, 0.2004, 0.0877
Android (android.graphics.Color)	4283826352 (0xFF5600B0)
YUV	45.7780, 64.1994, 35.2747
Hunter-Lab	22.5692, 52.5749, -92.8690

Details

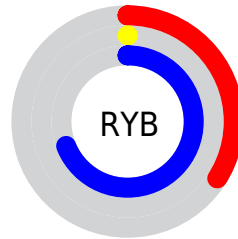
The CIELCh color **27, 94.682, 311.682** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **64, 82.188, 127.587**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 94.635, 311.737**, and **12, 77.247, 306.525** is the 20% darker color. If you saturate the color by 10%, you get **27, 94.631, 311.671**, and if you desaturate by 10%, it is **29, 90.065, 312.119**.

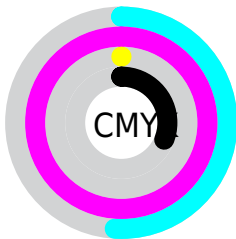
Distribution



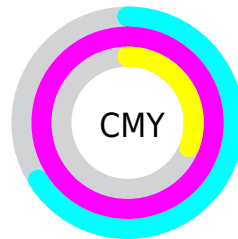
- Red (34%)
- Green (0%)
- Blue (69%)



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



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




- Cyan (66%)
- Magenta (100%)
- Yellow (31%)
- Black (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 94.682, 311.682 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, 94.682, 311.682 by changing the saturation by 10% instead.

 27, 94.682,
311.682

 27, 94.682,
311.682

 100, 94.682,
311.682

 17, 94.682,
311.682

 47, 94.682,
311.682

 7, 94.682, 311.682

 57, 94.682,
311.682

 0, 94.682, 311.682

 67, 94.682,
311.682

 77, 94.682,
311.682

 87, 94.682,
311.682

 97, 94.682,

311.682

■ 27, 94.682,
311.682

■ 27, 94.682,
311.682

■ 27, 94.631,
311.671

■ 29, 90.065,
312.119

■ 32, 83.377,
312.266

■ 36, 74.615,
312.091

■ 41, 64.531,
311.708

■ 46, 53.756,
311.210

■ 51, 42.726,
310.664

■ 56, 31.714,
310.115

■ 61, 20.875,
309.586

■ 66, 10.293,
309.091

Harmonies

Complementary

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



27, 94.682, 311.682



64, 82.188, 127.587

Rectangle

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



27, 94.682, 311.682



27, 94.682, 1.682



27, 94.682, 131.682



27, 94.682, 181.682

Sweetspot

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



27, 94.631, 311.671



71, 39.404, 310.143



39, 52.663, 282.203



35, 26.979, 310.368



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, 94.631, 311.671



36, 115.700, 311.474



41, 87.514, 327.577



34, 5.755, 309.057



22, 84.247, 311.812



1, 11.808, 305.482

Inverse Universe

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



38, 64.288, 0.713



50, 78.324, 1.521



63, 90.547, 135.943



34, 4.680, 343.728



32, 57.384, 0.151



2, 9.200, 348.165

Previews

White Background



This preview shows how the CIE LCh color 27, 94.682, 311.682 looks on a white background.

Color Contrast Check

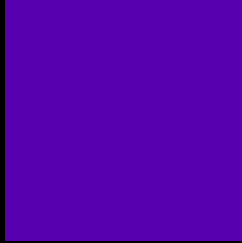
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.682, 311.682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

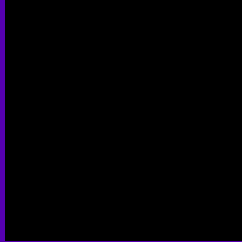
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 94.682, 311.682

Background



This preview shows how black text looks on a background with the CIELCh color 27, 94.682, 311.682.



This preview shows how white text looks on a background with the CIELCh color 27, 94.682, 311.682.

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, 94.682, 311.682

Protanopia

28, 46.169, 285.283

Deuteranopia

28, 31.673, 270.015



Tritanopia
28, 6.175, 237.974

Trichromacy



Original Color
27, 94.682, 311.682

Protanomaly
24, 70.227, 300.923

Deuteranomaly
23, 60.725, 298.885

Tritanomaly
24, 45.113, 307.787

Monochromacy



Original Color
27, 94.682, 311.682

Achromatopsia
19, 0.004, 296.813

Achromatomaly
18, 43.781, 311.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 94.682, 311.682 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(86, 0, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 0, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 94.682, 311.682 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, 176) }
```

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

```
.border{ border-color:rgb(86, 0, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(86, 0, 176)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 94.682, 311.682 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, 176) }
```

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

```
.background{ background-color: rgb(86, 0,  
176) }
```

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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