

Converting Colors

CIELCh(27, 103.328, 309.295)

Have a look what the booklet for
CIELCh(27, 103.328, 309.295)
contains.

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Color

CIELCh(27, 103.257, 309.272)

Conversions

Conversions Part 1

Format	Color
Hex	4600BF
RGB	70, 0, 191
RGB Percent	27%, 0%, 75%
CMY	0.7243, 0.9985, 0.2500
CMYK	0.63, 1.00, 0.00, 0.25
HSL	262°, 100%, 38%
HSV	262°, 100%, 75%
XYZ	11.9819, 5.0937, 49.7807
YIQ	42.7040, -19.5910, 74.2410

Conversions

Conversions Part 2

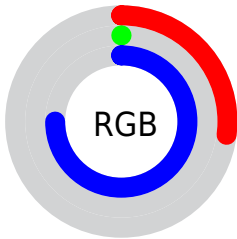
Format	Color
RYB	70, 0, 191
Decimal	4587711
CIELab	27.00, 65.36, -79.94
CIELCh	27, 103.257, 309.272
Yxy	5.0937, 0.1792, 0.0762
Android (android.graphics.Color)	4282777791 (0xFF4600BF)
YUV	42.7040, 73.1099, 23.9386
Hunter-Lab	22.5692, 55.2692, -114.9771

Details

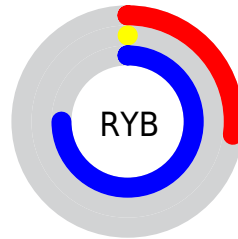
The CIELCh color **27, 103.257, 309.272** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **70, 84.040, 122.947**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 103.391, 309.213**, and **14, 83.870, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 103.357, 309.270**, and if you desaturate by 10%, it is **30, 98.020, 309.521**.

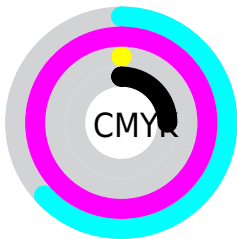
Distribution



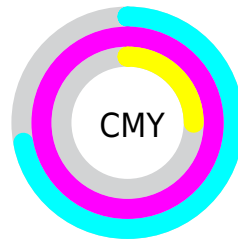
- Red (27%)
- Green (0%)
- Blue (75%)



- Red (27%)
- Yellow (0%)
- Blue (75%)



- Cyan (63%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (72%)
- Magenta (100%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 103.257, 309.272 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, 103.257, 309.272 by changing the saturation by 10% instead.


 27, 103.257,
309.272


 27, 103.257,
309.272


 100, 103.257,
309.272


 17, 103.257,
309.272


 47, 103.257,
309.272


 7, 103.257,
309.272

 57, 103.257,
309.272

 0, 103.257,
309.272

 67, 103.257,
309.272

 77, 103.257,
309.272

 87, 103.257,
309.272

 97, 103.257,

309.272

■ 27, 103.257,
309.272

■ 27, 103.257,
309.272

■ 27, 103.357,
309.270

■ 30, 98.020,
309.521

■ 33, 90.171,
309.399

■ 38, 80.091,
308.930

■ 43, 68.757,
308.264

■ 48, 56.896,
307.517

■ 54, 44.956,
306.763

■ 60, 33.184,
306.044

■ 66, 21.705,
305.382

■ 72, 10.572,
304.784

Harmonies

Complementary

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



27, 103.257, 309.272



70, 84.040, 122.947

Rectangle

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



27, 103.257, 309.272



27, 103.257, 359.272



27, 103.257, 129.272



27, 103.257, 179.272

Sweetspot

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



27, 103.258, 309.273



75, 41.205, 306.091



50, 43.036, 264.886



37, 28.520, 306.393



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



27, 103.258, 309.273



36, 125.641, 309.111



40, 94.174, 322.490



37, 6.040, 304.758



21, 89.620, 309.416



2, 17.768, 300.766

Inverse Universe

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



42, 71.489, 350.088



54, 86.496, 350.616



68, 95.338, 135.191



37, 5.463, 337.739



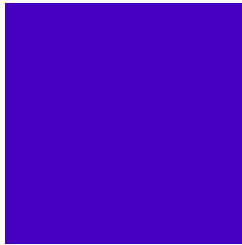
34, 62.276, 349.712



3, 15.239, 343.681

Previews

White Background



This preview shows how the CIELCh color 27, 103.257, 309.272 looks on a white background.

Color Contrast Check

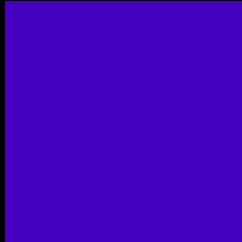
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.257, 309.272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

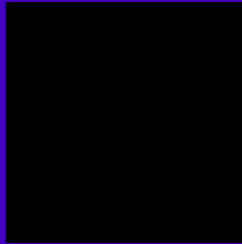
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 103.257, 309.272

Background



This preview shows how black text looks on a background with the CIELCh color 27, 103.257, 309.272.



This preview shows how white text looks on a background with the CIELCh color 27, 103.257, 309.272.

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, 103.257, 309.272

Protanopia

28, 45.575, 284.922

Deuteranopia

28, 31.665, 270.450



Tritanopia
28, 19.621, 208.236

Trichromacy



Original Color
27, 103.257, 309.272

Protanomaly
24, 73.171, 300.840

Deuteranomaly
23, 64.454, 299.164

Tritanomaly
22, 48.427, 294.399

Monochromacy



Original Color
27, 103.257, 309.272

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 47.544, 308.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 103.257, 309.272 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(70, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(70, 0, 191)  
}
```

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(70, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 0, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 103.257, 309.272 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(70, 0, 191) }
```

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

```
.border{ border-color:rgb(70, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(70, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(70, 0, 191)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 103.257, 309.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 0, 191) }
```

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

```
.background{ background-color: rgb(70, 0,  
191) }
```

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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