

Converting Colors

CIELCh(27, 103.042, 309.531)

Have a look what the booklet for
CIELCh(27, 103.042, 309.531)
contains.

CIELCh(27, 102.599, 309.481)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(27, 102.599, 309.481)

Conversions

Conversions Part 1

Format	Color
Hex	4800BE
RGB	72, 0, 190
RGB Percent	28%, 0%, 75%
CMY	0.7177, 1.0000, 0.2550
CMYK	0.62, 1.00, 0.00, 0.25
HSL	263°, 100%, 37%
HSV	263°, 100%, 75%
XYZ	11.9637, 5.0937, 49.0603
YIQ	43.1880, -18.0780, 74.3540

Conversions

Conversions Part 2

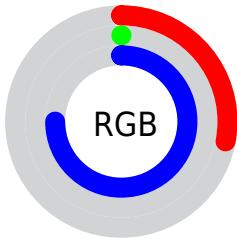
Format	Color
R_{YB}	72, 0, 190
Decimal	4718782
CIE _{Lab}	27.00, 65.23, -79.19
CIE _{LCh}	27, 102.599, 309.481
Yxy	5.0937, 0.1809, 0.0770
Android (android.graphics.Color)	4282908862 (0xFF4800BE)
YUV	43.1880, 72.3783, 25.2681
Hunter-Lab	22.5692, 55.1250, -113.0846

Details

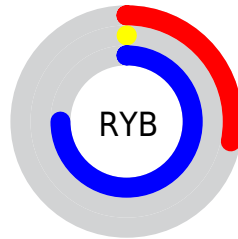
The CIELCh color **27, 102.599, 309.481** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **70, 84.028, 123.497**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 102.815, 309.516**, and **14, 83.422, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 102.594, 309.481**, and if you desaturate by 10%, it is **30, 97.439, 309.757**.

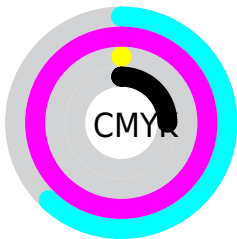
Distribution



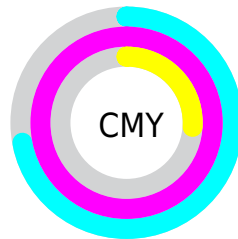
- Red (28%)
- Green (0%)
- Blue (75%)



- Red (28%)
- Yellow (0%)
- Blue (75%)



- Cyan (62%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (72%)
- Magenta (100%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 102.599, 309.481 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, 102.599, 309.481 by changing the saturation by 10% instead.


 27, 102.599,
309.481


 27, 102.599,
309.481


 100, 102.599,
309.481


 17, 102.599,
309.481


 47, 102.599,
309.481


 7, 102.599,
309.481

 57, 102.599,
309.481

 0, 102.599,
309.481

 67, 102.599,
309.481

 77, 102.599,
309.481

 87, 102.599,
309.481

 97, 102.599,

309.481

■ 27, 102.599,
309.481

■ 27, 102.599,
309.481

■ 27, 102.594,
309.481

■ 30, 97.439,
309.757

■ 33, 89.748,
309.678

■ 37, 79.823,
309.250

■ 42, 68.619,
308.621

■ 48, 56.859,
307.905

■ 54, 44.995,
307.176

■ 59, 33.282,
306.477

■ 65, 21.847,
305.831

■ 71, 10.750,
305.244

Harmonies

Complementary

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



27, 102.599, 309.481



70, 84.028, 123.497

Rectangle

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



27, 102.599, 309.481



27, 102.599, 359.481



27, 102.599, 129.481



27, 102.599, 179.481

Sweetspot

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



27, 102.594, 309.481



76, 41.265, 306.510



49, 44.264, 267.589



37, 28.558, 306.804



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, 102.594, 309.481



36, 125.333, 309.314



41, 93.576, 323.100



37, 6.052, 305.208



22, 89.401, 309.625



2, 17.790, 301.129

Inverse Universe

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



42, 70.711, 351.166



54, 85.957, 351.684



67, 95.102, 135.328



37, 5.415, 338.309



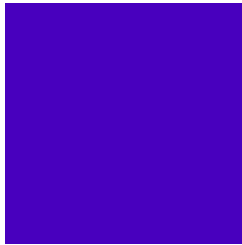
34, 61.880, 350.732



3, 15.096, 344.422

Previews

White Background



This preview shows how the CIELCh color 27, 102.599, 309.481 looks on a white background.

Color Contrast Check

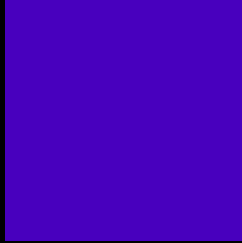
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.599, 309.481 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, 102.599, 309.481

Background



This preview shows how black text looks on a background with the CIELCh color 27, 102.599, 309.481.



This preview shows how white text looks on a background with the CIELCh color 27, 102.599, 309.481.

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, 102.599, 309.481

Protanopia

28, 45.575, 284.922

Deuteranopia

28, 31.665, 270.450



Tritanopia
28, 19.621, 208.236

Trichromacy



Original Color
27, 102.599, 309.481

Protanomaly
24, 72.612, 300.770

Deuteranomaly
23, 64.454, 299.164

Tritanomaly
22, 48.521, 294.744

Monochromacy



Original Color
27, 102.599, 309.481

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 46.924, 309.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 102.599, 309.481 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(72, 0, 190)` looks like.

```
.text, #text, p{  
    color:rgb(72, 0, 190)  
}
```

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(72, 0, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 0, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 102.599, 309.481 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(72, 0, 190) }
```

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

```
.border{ border-color:rgb(72, 0, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 0, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 0, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 0, 190);  
box-shadow:4px 4px 4px 4px rgb(72, 0, 190)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 102.599, 309.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 0, 190) }
```

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

```
.background{ background-color: rgb(72, 0,  
190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor