

Converting Colors

CIELCh(27, 104.323, 309.321)

Have a look what the booklet for
CIELCh(27, 104.323, 309.321)
contains.

CIELCh(27, 104.147, 309.204)	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, 104.147, 309.204)

Conversions

Conversions Part 1

Format	Color
Hex	4500C1
RGB	69, 0, 193
RGB Percent	27%, 0%, 76%
CMY	0.7278, 1.0000, 0.2450
CMYK	0.64, 1.00, 0.00, 0.24
HSL	262°, 100%, 38%
HSV	262°, 100%, 76%
XYZ	12.0491, 5.0937, 50.5280
YIQ	42.6330, -20.8290, 74.6510

Conversions

Conversions Part 2

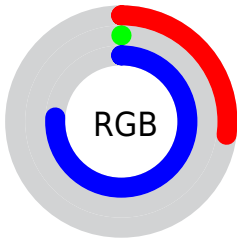
Format	Color
RYB	69, 0, 193
Decimal	4522177
CIELab	27.00, 65.83, -80.70
CIELCh	27, 104.147, 309.204
Yxy	5.0937, 0.1781, 0.0753
Android (android.graphics.Color)	4282712257 (0xFF4500C1)
YUV	42.6330, 74.1309, 23.1239
Hunter-Lab	22.5692, 55.8005, -116.9403

Details

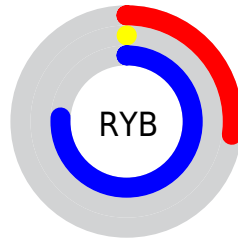
The CIELCh color **27, 104.147, 309.204** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **71, 84.365, 122.718**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 104.364, 309.132**, and **15, 84.763, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 104.001, 309.171**, and if you desaturate by 10%, it is **30, 98.759, 309.410**.

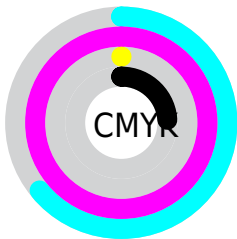
Distribution



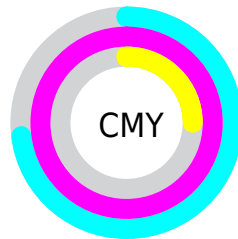
- Red (27%)
- Green (0%)
- Blue (76%)



- Red (27%)
- Yellow (0%)
- Blue (76%)



- Cyan (64%)
- Magenta (100%)
- Yellow (0%)
- Black (24%)





- Cyan (73%)
- Magenta (100%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 104.147, 309.204 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, 104.147, 309.204 by changing the saturation by 10% instead.


 27, 104.147,
309.204


 27, 104.147,
309.204


 100, 104.147,
309.204


 17, 104.147,
309.204


 47, 104.147,
309.204


 7, 104.147,
309.204

 57, 104.147,
309.204

 0, 104.147,
309.204

 67, 104.147,
309.204

 77, 104.147,
309.204

 87, 104.147,
309.204

 97, 104.147,

309.204

■ 27, 104.147,
309.204

■ 27, 104.147,
309.204

■ 27, 104.001,
309.171

■ 30, 98.759,
309.410

■ 33, 90.897,
309.281

■ 38, 80.767,
308.800

■ 43, 69.364,
308.120

■ 48, 57.428,
307.359

■ 54, 45.414,
306.592

■ 60, 33.573,
305.863

■ 66, 22.029,
305.191

■ 72, 10.835,
304.585

Harmonies

Complementary

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



27, 104.147, 309.204



71, 84.365, 122.718

Rectangle

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



27, 104.147, 309.204



27, 104.147, 359.204



27, 104.147, 129.204



27, 104.147, 179.204

Sweetspot

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



27, 104.001, 309.171



76, 41.522, 305.896



50, 43.327, 265.006



37, 28.503, 306.201



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, 104.001, 309.171



36, 126.772, 309.013



41, 94.698, 322.481



38, 6.169, 304.549



22, 90.797, 309.308



2, 19.842, 300.857

Inverse Universe

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



42, 72.077, 349.671



55, 87.427, 350.140



68, 95.878, 135.194



38, 5.608, 337.479



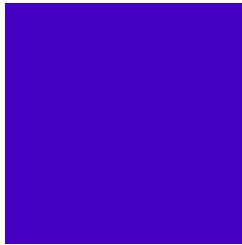
35, 63.191, 349.280



3, 17.372, 343.863

Previews

White Background



This preview shows how the CIELCh color 27, 104.147, 309.204 looks on a white background.

Color Contrast Check

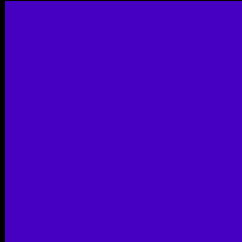
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.147, 309.204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

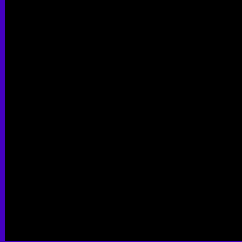
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 104.147, 309.204

Background



This preview shows how black text looks on a background with the CIELCh color 27, 104.147, 309.204.



This preview shows how white text looks on a background with the CIELCh color 27, 104.147, 309.204.

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, 104.251, 309.122

Protanopia

28, 45.575, 284.922

Deuteranopia

28, 31.665, 270.450



Tritanopia
28, 19.621, 208.236

Trichromacy



Original Color
27, 104.251, 309.122

Protanomaly
24, 73.197, 300.766

Deuteranomaly
23, 65.058, 299.165

Tritanomaly
22, 49.159, 294.763

Monochromacy



Original Color
27, 104.251, 309.122

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, 104.147, 309.204 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(69, 0, 193)` looks like.

```
.text, #text, p{  
    color:rgb(69, 0, 193)  
}
```

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(69, 0, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 0, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 104.147, 309.204 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(69, 0, 193) }
```

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

```
.border{ border-color:rgb(69, 0, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 0, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 0, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 0, 193);  
box-shadow:4px 4px 4px 4px rgb(69, 0, 193)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 104.147, 309.204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 0, 193) }
```

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

```
.background{ background-color: rgb(69, 0,  
193) }
```

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