

Converting Colors

CIELCh(25, 113.549, 309.711)

Have a look what the booklet for
CIELCh(25, 113.549, 309.711)
contains.

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Color

CIELCh(27, 107.340, 308.323)

Conversions

Conversions Part 1

Format	Color
Hex	3D01C6
RGB	61, 1, 198
RGB Percent	24%, 0%, 78%
CMY	0.7622, 0.9973, 0.2218
CMYK	0.69, 1.00, 0.00, 0.22
HSL	258°, 99%, 39%
HSV	258°, 100%, 78%
XYZ	12.1547, 5.0937, 54.0402
YIQ	41.3980, -27.4770, 73.9870

Conversions

Conversions Part 2

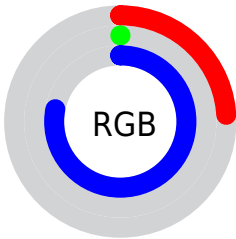
Format	Color
R _{YB}	61, 1, 198
Decimal	3998150
CIE _{Lab}	27.00, 66.56, -84.21
CIE _{LCh}	27, 107.340, 308.323
Yxy	5.0937, 0.1705, 0.0715
Android (android.graphics.Color)	4282188230 (0xFF3D01C6)
YUV	41.3980, 77.2048, 17.1910
Hunter-Lab	22.5692, 56.6353, -126.1671

Details

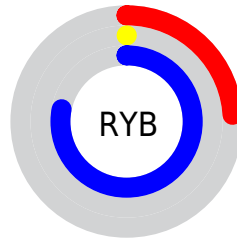
The CIELCh color **27, 107.340, 308.323** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **74, 84.655, 120.072**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 106.544, 308.380**, and **15, 86.542, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 107.521, 308.324**, and if you desaturate by 10%, it is **30, 101.822, 308.415**.

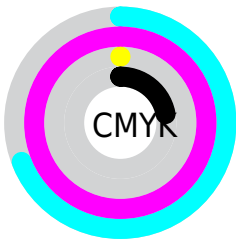
Distribution



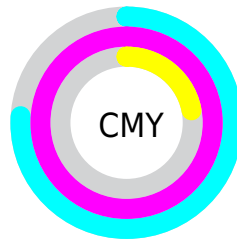
- Red (24%)
- Green (0%)
- Blue (78%)



- Red (24%)
- Yellow (0%)
- Blue (78%)



- Cyan (69%)
- Magenta (100%)
- Yellow (0%)
- Black (22%)





- Cyan (76%)
- Magenta (100%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 107.340, 308.323 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, 107.340, 308.323 by changing the saturation by 10% instead.


 27, 107.340,
308.323


 27, 107.340,
308.323


 100, 107.340,
308.323


 17, 107.340,
308.323


 47, 107.340,
308.323


 7, 107.340,
308.323


 57, 107.340,
308.323

 0, 107.340,
308.323

 67, 107.340,
308.323

 77, 107.340,
308.323

 87, 107.340,
308.323

 97, 107.340,

308.323

■ 27, 107.340,
308.323

■ 27, 107.340,
308.323

■ 27, 107.521,
308.324

■ 30, 101.822,
308.415

■ 33, 93.393,
308.097

■ 38, 82.646,
307.421

■ 44, 70.688,
306.560

■ 49, 58.296,
305.643

■ 55, 45.921,
304.746

■ 62, 33.793,
303.912

■ 68, 22.016,
303.158

■ 74, 10.629,
302.486

Harmonies

Complementary

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



27, 107.340, 308.323



74, 84.655, 120.072

Rectangle

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



27, 107.340, 308.323



27, 107.340, 358.323



27, 107.340, 128.323



27, 107.340, 178.323

Sweetspot

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



27, 107.342, 308.324



77, 41.957, 303.975



55, 40.558, 256.226



38, 28.827, 304.326



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



27, 107.342, 308.324



36, 130.090, 308.191



40, 97.431, 320.685



39, 6.251, 302.469



21, 92.839, 308.454



2, 21.816, 299.685

Inverse Universe

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



44, 76.184, 345.165



57, 91.776, 345.570



70, 97.323, 134.692



39, 5.969, 335.021



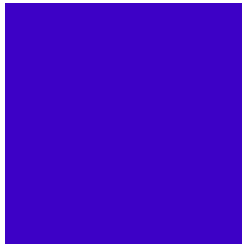
36, 66.088, 344.914



4, 20.509, 340.775

Previews

White Background



This preview shows how the CIELCh color 27, 107.340, 308.323 looks on a white background.

Color Contrast Check

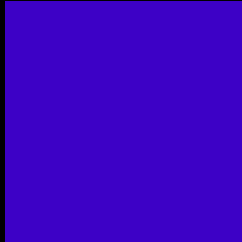
Large Text (above 18pt) WCAG AA ✓ Pass

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, 107.340, 308.323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

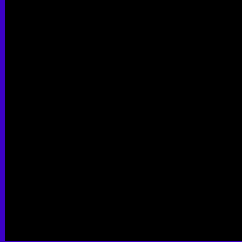
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 107.340, 308.323

Background



This preview shows how black text looks on a background with the CIELCh color 27, 107.340, 308.323.



This preview shows how white text looks on a background with the CIELCh color 27, 107.340,

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, 107.050, 308.344

Protanopia

28, 44.981, 284.552

Deuteranopia

28, 31.129, 269.660



Tritanopia
28, 19.684, 206.210

Trichromacy



Original Color
27, 107.050, 308.344

Protanomaly
24, 74.382, 300.705

Deuteranomaly
24, 65.029, 298.661

Tritanomaly
22, 49.737, 294.158

Monochromacy



Original Color
27, 107.050, 308.344

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 48.936, 307.408

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 107.340, 308.323 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(61, 1, 198)` looks like.

```
.text, #text, p{  
    color:rgb(61, 1, 198)  
}
```

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(61, 1, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 1, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 107.340, 308.323 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(61, 1, 198) }
```

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

```
.border{ border-color:rgb(61, 1, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 1, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 1, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 1, 198);  
box-shadow:4px 4px 4px 4px rgb(61, 1, 198)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 107.340, 308.323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 1, 198) }
```

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

```
.background{ background-color: rgb(61, 1,  
198) }
```

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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