

Converting Colors

CIELCh(27, 99.140, 310.257)

Have a look what the booklet for
CIELCh(27, 99.140, 310.257)
contains.

CIELCh(27, 99.044, 310.266)	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, 99.044, 310.266)

Conversions

Conversions Part 1

Format	Color
Hex	4E01B8
RGB	78, 1, 184
RGB Percent	31%, 0%, 72%
CMY	0.6944, 0.9965, 0.2787
CMYK	0.58, 1.00, 0.00, 0.28
HSL	265°, 99%, 36%
HSV	265°, 100%, 72%
XYZ	11.7900, 5.0937, 45.6725
YIQ	44.8850, -12.8510, 73.2370

Conversions

Conversions Part 2

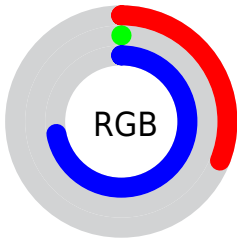
Format	Color
R_{YB}	78, 1, 184
Decimal	5112248
CIE _{Lab}	27.00, 64.02, -75.58
CIE _{LCh}	27, 99.044, 310.266
Yxy	5.0937, 0.1885, 0.0814
Android (android.graphics.Color)	4283302328 (0xFF4E01B8)
YUV	44.8850, 68.5837, 29.0419
Hunter-Lab	22.5692, 53.7509, -104.1847

Details

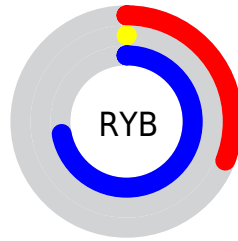
The CIELCh color **27, 99.044, 310.266** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **68, 83.002, 125.131**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 98.752, 310.314**, and **13, 80.724, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 99.278, 310.253**, and if you desaturate by 10%, it is **30, 94.050, 310.618**.

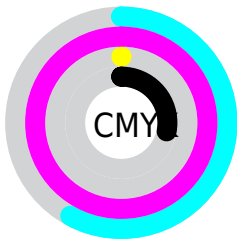
Distribution



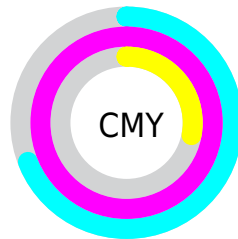
- Red (31%)
- Green (0%)
- Blue (72%)



- Red (31%)
- Yellow (0%)
- Blue (72%)



- Cyan (58%)
- Magenta (100%)
- Yellow (0%)
- Black (28%)




- Cyan (69%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 99.044, 310.266 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, 99.044, 310.266 by changing the saturation by 10% instead.

 27, 99.044,
310.266

 27, 99.044,
310.266

 100, 99.044,
310.266


 17, 99.044,
310.266

 47, 99.044,
310.266

 7, 99.044, 310.266

 57, 99.044,
310.266

 0, 99.044, 310.266

 67, 99.044,
310.266

 77, 99.044,
310.266

 87, 99.044,
310.266

 97, 99.044,

310.266

■ 27, 99.044,
310.266

■ 27, 99.044,
310.266

■ 27, 99.278,
310.253

■ 30, 94.050,
310.618

■ 33, 86.634,
310.619

■ 37, 77.102,
310.288

■ 42, 66.318,
309.758

■ 47, 54.954,
309.133

■ 53, 43.445,
308.483

■ 58, 32.042,
307.850

■ 64, 20.882,
307.257

■ 69, 10.030,
306.712

Harmonies

Complementary

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



27, 99.044, 310.266



68, 83.002, 125.131

Rectangle

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



27, 99.044, 310.266



27, 99.044, 0.266



27, 99.044, 130.266



27, 99.044, 180.266

Sweetspot

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



27, 99.045, 310.267



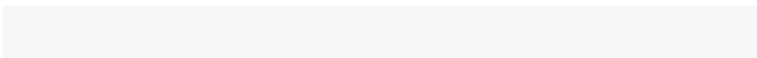
74, 40.436, 307.911



44, 47.467, 274.350



36, 27.724, 308.173



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



27, 99.045, 310.267



36, 121.325, 310.073



41, 90.783, 324.997



36, 5.959, 306.703



22, 87.582, 310.394



1, 15.778, 302.375

Inverse Universe

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



40, 67.742, 354.562



52, 82.452, 355.334



65, 93.122, 135.665



36, 5.140, 340.294



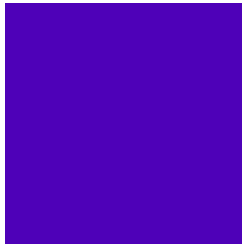
33, 60.020, 354.235



3, 12.824, 346.222

Previews

White Background



This preview shows how the CIELCh color 27, 99.044, 310.266 looks on a white background.

Color Contrast Check

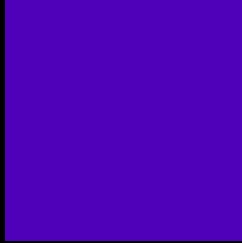
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.044, 310.266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

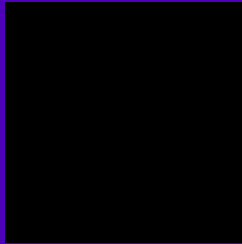
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 99.044, 310.266

Background



This preview shows how black text looks on a background with the CIELCh color 27, 99.044, 310.266.



This preview shows how white text looks on a background with the CIELCh color 27, 99.044, 310.266.

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

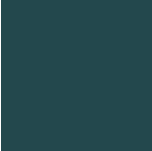
27, 99.044, 310.266

Protanopia

28, 45.575, 284.922

Deuteranopia

28, 31.665, 270.450



Tritanopia
28, 13.608, 211.373

Trichromacy



Original Color
27, 99.044, 310.266

Protanomaly
24, 71.438, 300.790

Deuteranomaly
23, 61.975, 298.725

Tritanomaly
23, 46.168, 300.597

Monochromacy



Original Color
27, 99.044, 310.266

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 45.581, 310.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 99.044, 310.266 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(78, 1, 184)` looks like.

```
.text, #text, p{  
    color:rgb(78, 1, 184)  
}
```

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(78, 1, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 1, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 99.044, 310.266 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(78, 1, 184) }
```

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

```
.border{ border-color:rgb(78, 1, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 1, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 1, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 1, 184);  
box-shadow:4px 4px 4px 4px rgb(78, 1, 184)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 99.044, 310.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 1, 184) }
```

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

```
.background{ background-color: rgb(78, 1,  
184) }
```

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