

Converting Colors

CIELCh(27, 56.301, 309.200)

Have a look what the booklet for
CIELCh(27, 56.301, 309.200)
contains.

CIELCh(27, 56.625, 309.132)	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, 56.625, 309.132)

Conversions

Conversions Part 1

Format	Color
Hex	4E2C84
RGB	78, 44, 132
RGB Percent	31%, 17%, 52%
CMY	0.6939, 0.8273, 0.4822
CMYK	0.41, 0.67, 0.00, 0.48
HSL	263°, 50%, 35%
HSV	263°, 67%, 52%
XYZ	8.2165, 5.0937, 22.3973
YIQ	64.1980, -7.9840, 34.5760

Conversions

Conversions Part 2

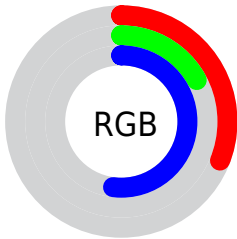
Format	Color
R_{YB}	78, 44, 132
Decimal	5123204
CIE _{Lab}	27.00, 35.74, -43.92
CIE _{LCh}	27, 56.625, 309.132
Yxy	5.0937, 0.2301, 0.1427
Android (android.graphics.Color)	4283313284 (0xFF4E2C84)
YUV	64.1980, 33.4264, 12.1044
Hunter-Lab	22.5692, 25.4881, -43.0401

Details

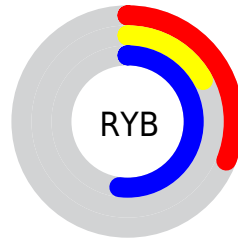
The CIELCh color **27, 56.625, 309.132** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **51, 49.751, 122.086**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 56.618, 309.020**, and **7, 56.346, 308.982** is the 20% darker color. If you saturate the color by 10%, you get **23, 64.569, 309.650**, and if you desaturate by 10%, it is **31, 48.052, 308.485**.

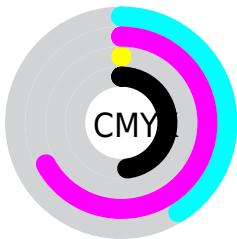
Distribution



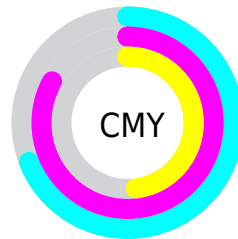
- Red (31%)
- Green (17%)
- Blue (52%)



- Red (31%)
- Yellow (17%)
- Blue (52%)



- Cyan (41%)
- Magenta (67%)
- Yellow (0%)
- Black (48%)





- Cyan (69%)
- Magenta (83%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 56.625, 309.132 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, 56.625, 309.132 by changing the saturation by 10% instead.

 27, 56.625,
309.132


 27, 56.625,
309.132

 100, 56.625,
309.132


 17, 56.625,
309.132


 47, 56.625,
309.132


 7, 56.625, 309.132

 57, 56.625,
309.132

 0, 56.625, 309.132

 67, 56.625,
309.132

 77, 56.625,
309.132

 87, 56.625,
309.132

 97, 56.625,

309.132

■ 27, 56.625,
309.132

■ 27, 56.625,
309.132

■ 23, 64.569,
309.650

■ 31, 48.052,
308.485

■ 20, 71.297,
309.919

■ 35, 39.254,
307.793

■ 18, 76.405,
309.886

■ 39, 30.476,
307.108

■ 17, 78.133,
309.925

■ 44, 21.850,
306.460

■ 48, 13.443,
305.863

■ 52, 5.286, 305.320

■ 57, 2.614, 124.876

■ 61, 10.260,
124.437

■ 65, 17.660,
124.065

Harmonies

Complementary

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



27, 56.625, 309.132



51, 49.751, 122.086

Rectangle

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



27, 56.625, 309.132



27, 56.625, 359.132



27, 56.625, 129.132



27, 56.625, 179.132

Sweetspot

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



27, 56.625, 309.133



59, 20.054, 306.083



40, 24.987, 254.552



29, 13.840, 306.227



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



27, 56.625, 309.133



30, 82.369, 309.828



33, 57.319, 323.907



26, 4.518, 305.451



17, 77.263, 309.940



0, 1.068, 305.005

Inverse Universe

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



33, 45.070, 344.361



40, 61.693, 346.831



49, 57.160, 136.729



26, 4.017, 338.618



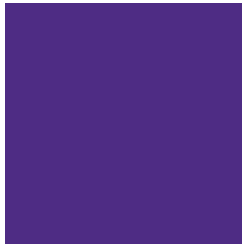
28, 53.649, 350.803



0, 0.954, 338.002

Previews

White Background



This preview shows how the CIELCh color 27, 56.625, 309.132 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, 56.625, 309.132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

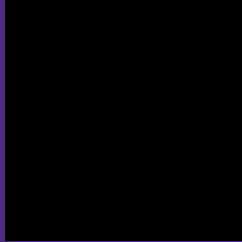
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 56.625, 309.132

Background



This preview shows how black text looks on a background with the CIELCh color 27, 56.625, 309.132.



This preview shows how white text looks on a background with the CIELCh color 27, 56.625, 309.132.

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, 56.625, 309.132

Protanopia

27, 45.112, 285.217

Deuteranopia

27, 32.752, 272.812



Tritanopia
27, 3.254, 290.831

Trichromacy



Original Color
27, 56.625, 309.132

Protanomaly
26, 49.510, 292.636

Deuteranomaly
26, 41.295, 288.177

Tritanomaly
27, 23.395, 305.673

Monochromacy



Original Color
27, 56.625, 309.132

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 21.517, 306.577

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 56.625, 309.132 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, 44, 132)` looks like.

```
.text, #text, p{  
    color:rgb(78, 44, 132)  
}
```

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, 44, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 44, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 56.625, 309.132 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, 44, 132) }
```

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

```
.border{ border-color:rgb(78, 44, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 44, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 44, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 44, 132);  
box-shadow:4px 4px 4px 4px rgb(78, 44,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 56.625, 309.132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 44, 132) }
```

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

```
.background{ background-color: rgb(78, 44,  
132) }
```

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