

Converting Colors

CIELCh(27, 84.456, 315.595)

Have a look what the booklet for
CIELCh(27, 84.456, 315.595)
contains.

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Color

CIELCh(27, 84.295, 315.582)

Conversions

Conversions Part 1

Format	Color
Hex	64009D
RGB	100, 0, 157
RGB Percent	39%, 0%, 62%
CMY	0.6094, 1.0000, 0.3858
CMYK	0.36, 1.00, 0.00, 0.39
HSL	278°, 100%, 31%
HSV	278°, 100%, 61%
XYZ	11.2580, 5.0937, 32.1179
YIQ	47.7980, 9.2030, 70.0270

Conversions

Conversions Part 2

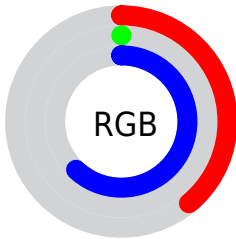
Format	Color
RYB	100, 0, 157
Decimal	6553757
CIELab	27.00, 60.21, -59.00
CIELCh	27, 84.295, 315.582
Yxy	5.0937, 0.2323, 0.1051
Android (android.graphics.Color)	4284743837 (0xFF64009D)
YUV	47.7980, 53.8366, 45.7812
Hunter-Lab	22.5692, 49.5440, -68.5763

Details

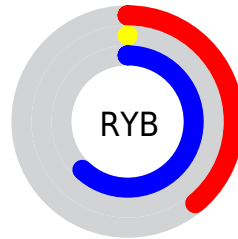
The CIELCh color **27, 84.295, 315.582** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **57, 78.750, 131.652**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 84.224, 315.561**, and **13, 65.453, 310.518** is the 20% darker color. If you saturate the color by 10%, you get **27, 84.160, 315.556**, and if you desaturate by 10%, it is **29, 80.438, 316.049**.

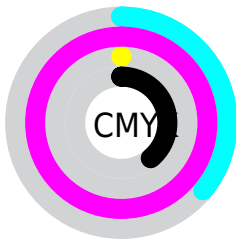
Distribution



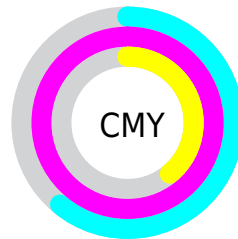
- Red (39%)
- Green (0%)
- Blue (62%)



- Red (39%)
- Yellow (0%)
- Blue (62%)



- Cyan (36%)
- Magenta (100%)
- Yellow (0%)
- Black (39%)




- Cyan (61%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 84.295, 315.582 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, 84.295, 315.582 by changing the saturation by 10% instead.

 27, 84.295,
315.582


 27, 84.295,
315.582

 100, 84.295,
315.582

 17, 84.295,
315.582

 47, 84.295,
315.582

 7, 84.295, 315.582

 57, 84.295,
315.582

 0, 84.295, 315.582

 67, 84.295,
315.582

 77, 84.295,
315.582

 87, 84.295,
315.582

 97, 84.295,

315.582

■ 27, 84.295,
315.582

■ 27, 84.295,
315.582

■ 27, 84.160,
315.556

■ 29, 80.438,
316.049

■ 31, 75.037,
316.316

■ 34, 67.745,
316.310

■ 38, 59.095,
316.108

■ 42, 49.602,
315.780

■ 46, 39.675,
315.378

■ 51, 29.598,
314.943

■ 55, 19.561,
314.500

■ 60, 9.675, 314.065

Harmonies

Complementary

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



27, 84.295, 315.582



57, 78.750, 131.652

Rectangle

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



27, 84.295, 315.582



27, 84.295, 5.582



27, 84.295, 135.582



27, 84.295, 185.582

Sweetspot

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



27, 84.160, 315.556



65, 36.724, 314.968



28, 63.480, 294.125



32, 25.059, 315.140



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



27, 84.160, 315.556



36, 102.530, 315.353



36, 72.426, 334.277



31, 5.508, 314.033



24, 78.617, 315.639



1, 7.076, 312.588

Inverse Universe

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



33, 59.290, 14.377



43, 72.383, 15.547



56, 80.231, 137.526



31, 3.949, 352.460



30, 55.345, 13.900



1, 5.032, 352.898

Previews

White Background



This preview shows how the CIELCh color 27, 84.295, 315.582 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, 84.295, 315.582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

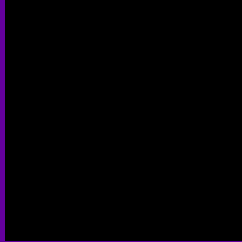
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 84.295, 315.582

Background



This preview shows how black text looks on a background with the CIELCh color 27, 84.295, 315.582.



This preview shows how white text looks on a background with the CIELCh color 27, 84.295, 315.582.

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, 84.295, 315.582

Protanopia

28, 46.102, 284.959

Deuteranopia

28, 32.749, 271.531



Tritanopia
28, 10.114, 2.841

Trichromacy



Original Color
27, 84.295, 315.582

Protanomaly
23, 66.088, 301.008

Deuteranomaly
23, 57.031, 299.030

Tritanomaly
25, 41.744, 321.640

Monochromacy



Original Color
27, 84.295, 315.582

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 39.105, 316.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 84.295, 315.582 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(100, 0, 157)` looks like.

```
.text, #text, p{  
    color:rgb(100, 0, 157)  
}
```

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(100, 0, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 0, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 84.295, 315.582 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(100, 0, 157) }
```

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

```
.border{ border-color:rgb(100, 0, 157) }
```

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

Here you see how a box with a 4 pixel rgb(100, 0, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 0, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 0, 157);  
box-shadow:4px 4px 4px 4px rgb(100, 0,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 84.295, 315.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 0, 157) }
```

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

```
.background{ background-color: rgb(100, 0,  
157) }
```

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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