

Converting Colors

CIELCh(27, 86.116, 314.950)

Have a look what the booklet for
CIELCh(27, 86.116, 314.950)
contains.

CIELCh(27, 85.908, 314.872)	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, 85.908, 314.872)

Conversions

Conversions Part 1

Format	Color
Hex	6200A0
RGB	98, 0, 160
RGB Percent	38%, 0%, 63%
CMY	0.6170, 1.0000, 0.3738
CMYK	0.39, 1.00, 0.00, 0.37
HSL	277°, 100%, 31%
HSV	277°, 100%, 63%
XYZ	11.3135, 5.0937, 33.5012
YIQ	47.5420, 7.0480, 70.5360

Conversions

Conversions Part 2

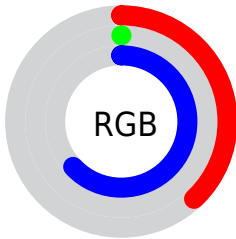
Format	Color
R_{YB}	98, 0, 160
Decimal	6422688
CIE _{Lab}	27.00, 60.61, -60.88
CIE _{LCh}	27, 85.908, 314.872
Yxy	5.0937, 0.2267, 0.1021
Android (android.graphics.Color)	4284612768 (0xFF6200A0)
YUV	47.5420, 55.4418, 44.2517
Hunter-Lab	22.5692, 49.9824, -72.2104

Details

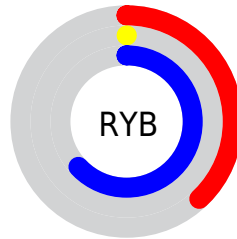
The CIELCh color **27, 85.908, 314.872** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **58, 79.375, 131.093**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 86.181, 314.894**, and **13, 67.323, 309.786** is the 20% darker color. If you saturate the color by 10%, you get **27, 85.798, 314.851**, and if you desaturate by 10%, it is **29, 81.943, 315.350**.

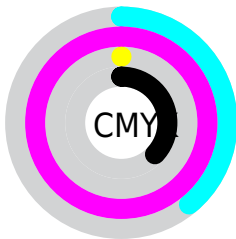
Distribution



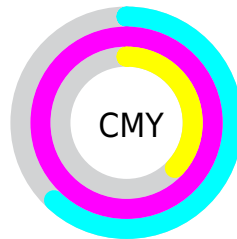
- Red (38%)
- Green (0%)
- Blue (63%)



- Red (38%)
- Yellow (0%)
- Blue (63%)



- Cyan (39%)
- Magenta (100%)
- Yellow (0%)
- Black (37%)





- Cyan (62%)
- Magenta (100%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 85.908, 314.872 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, 85.908, 314.872 by changing the saturation by 10% instead.

 27, 85.908,
314.872


 27, 85.908,
314.872

 100, 85.908,
314.872


 17, 85.908,
314.872


 47, 85.908,
314.872


 7, 85.908, 314.872

 57, 85.908,
314.872

 0, 85.908, 314.872

 67, 85.908,
314.872

 77, 85.908,
314.872

 87, 85.908,
314.872

 97, 85.908,

314.872

■ 27, 85.908,
314.872

■ 27, 85.908,
314.872

■ 27, 85.798,
314.851

■ 29, 81.943,
315.350

■ 32, 76.344,
315.612

■ 35, 68.825,
315.591

■ 38, 59.952,
315.371

■ 43, 50.258,
315.023

■ 47, 40.157,
314.606

■ 52, 29.933,
314.158

■ 56, 19.768,
313.707

■ 61, 9.773, 313.267

Harmonies

Complementary

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



27, 85.908, 314.872



58, 79.375, 131.093

Rectangle

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



27, 85.908, 314.872



27, 85.908, 4.872



27, 85.908, 134.872



27, 85.908, 184.872

Sweetspot

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



27, 85.798, 314.851



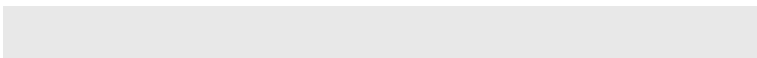
65, 36.928, 314.184



30, 60.864, 291.951



32, 25.467, 314.363



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



27, 85.798, 314.851



36, 104.016, 314.650



37, 75.365, 332.607



31, 5.476, 313.234



24, 78.999, 314.953



1, 7.036, 311.815

Inverse Universe

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



34, 59.823, 12.150



44, 72.591, 13.242



57, 82.358, 137.032



31, 4.006, 350.907



30, 55.066, 11.596



1, 5.103, 351.399

Previews

White Background



This preview shows how the CIE LCh color 27, 85.908, 314.872 looks on a white background.

Color Contrast Check

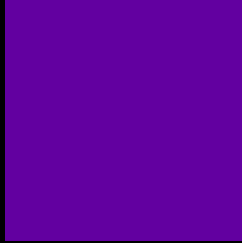
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.908, 314.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

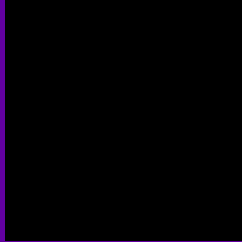
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 85.908, 314.872

Background



This preview shows how black text looks on a background with the CIELCh color 27, 85.908, 314.872.



This preview shows how white text looks on a background with the CIELCh color 27, 85.908, 314.872.

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, 85.908, 314.872

Protanopia

28, 46.102, 284.959

Deuteranopia

28, 32.749, 271.531



Tritanopia
28, 8.354, 358.333

Trichromacy



Original Color
27, 85.908, 314.872

Protanomaly
24, 67.234, 301.136

Deuteranomaly
23, 58.226, 299.220

Tritanomaly
25, 42.657, 319.841

Monochromacy



Original Color
27, 85.908, 314.872

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 40.270, 315.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 85.908, 314.872 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(98, 0, 160)` looks like.

```
.text, #text, p{  
    color:rgb(98, 0, 160)  
}
```

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(98, 0, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 0, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 85.908, 314.872 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(98, 0, 160) }
```

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

```
.border{ border-color:rgb(98, 0, 160) }
```

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

Here you see how a box with a 4 pixel rgb(98, 0, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 0, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 0, 160);  
box-shadow:4px 4px 4px 4px rgb(98, 0, 160)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 85.908, 314.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 0, 160) }
```

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

```
.background{ background-color: rgb(98, 0,  
160) }
```

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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