

Converting Colors

CIELCh(27, 60.555, 333.271)

Have a look what the booklet for
CIELCh(27, 60.555, 333.271)
contains.

CIELCh(27, 60.395, 333.285)	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, 60.395, 333.285)

Conversions

Conversions Part 1

Format	Color
Hex	78026A
RGB	120, 2, 106
RGB Percent	47%, 1%, 42%
CMY	0.5283, 0.9939, 0.5833
CMYK	0.00, 0.99, 0.12, 0.53
HSL	307°, 97%, 24%
HSV	307°, 99%, 47%
XYZ	10.4188, 5.0937, 14.1434
YIQ	49.1380, 36.9440, 57.3600

Conversions

Conversions Part 2

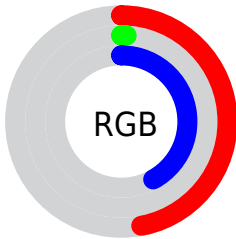
Format	Color
R_{YB}	120, 2, 106
Decimal	7864938
CIE _{Lab}	27.00, 53.95, -27.15
CIE _{LCh}	27, 60.395, 333.285
Yxy	5.0937, 0.3513, 0.1718
Android (android.graphics.Color)	4286055018 (0xFF78026A)
YUV	49.1380, 28.0330, 62.1460
Hunter-Lab	22.5692, 42.9064, -21.3567

Details

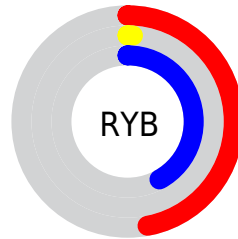
The CIELCh color $27, 60.395, 333.285$ is a dark color, and the websafe version is hex 660066 . A complement of this color would be $44, 65.713, 137.721$, and the grayscale version is $20, 0.004, 296.813$.

A 20% lighter version of the original color is $47, 60.196, 333.329$, and $13, 40.292, 333.643$ is the 20% darker color. If you saturate the color by 10%, you get $27, 60.641, 333.352$, and if you desaturate by 10%, it is $28, 58.464, 332.758$.

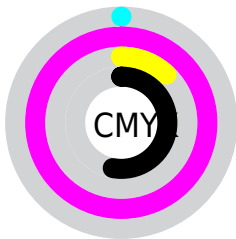
Distribution



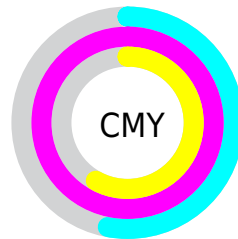
- Red (47%)
- Green (1%)
- Blue (42%)



- Red (47%)
- Yellow (1%)
- Blue (42%)



- Cyan (0%)
- Magenta (99%)
- Yellow (12%)
- Black (53%)





- Cyan (53%)
- Magenta (99%)
- Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 60.395, 333.285 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, 60.395, 333.285 by changing the saturation by 10% instead.

 27, 60.395,
333.285

 27, 60.395,
333.285

 100, 60.395,
333.285

 17, 60.395,
333.285

 47, 60.395,
333.285


 7, 60.395, 333.285

 57, 60.395,
333.285

 0, 60.395, 333.285

 67, 60.395,
333.285

 77, 60.395,
333.285

 87, 60.395,
333.285

 97, 60.395,

333.285

■ 27, 60.395,
333.285

■ 27, 60.395,
333.285

■ 27, 60.641,
333.352

■ 28, 58.464,
332.758

■ 29, 55.392,
332.230

■ 31, 50.833,
331.697

■ 33, 45.011,
331.152

■ 35, 38.228,
330.592

■ 38, 30.789,
330.021

■ 41, 22.962,
329.444

■ 44, 14.959,
328.866

■ 48, 6.934, 328.284

Harmonies

Complementary

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



27, 60.395, 333.285



44, 65.713, 137.721

Rectangle

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



27, 60.395, 333.285



27, 60.395, 23.285



27, 60.395, 153.285



27, 60.395, 203.285

Sweetspot

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



27, 60.393, 333.285



52, 29.590, 329.560



13, 75.276, 306.712



25, 20.313, 329.757



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



27, 60.393, 333.285



36, 72.914, 333.492



24, 48.275, 10.603



24, 4.546, 328.306



28, 62.295, 333.374



58, 104.364, 333.688

Inverse Universe

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



27, 60.393, 333.285



36, 72.914, 333.492



44, 43.790, 157.010



24, 4.546, 328.306



28, 62.295, 333.374



58, 104.364, 333.688

Previews

White Background



This preview shows how the CIELCh color 27, 60.395, 333.285 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, 60.395, 333.285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

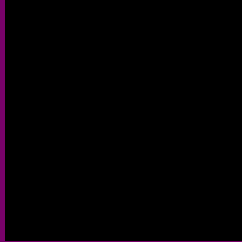
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 60.395, 333.285

Background



This preview shows how black text looks on a background with the CIELCh color 27, 60.395, 333.285.



This preview shows how white text looks on a background with the CIELCh color 27, 60.395, 333.285.

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, 60.190, 333.290

Protanopia

28, 46.695, 285.315

Deuteranopia

29, 21.594, 281.338



Tritanopia
28, 35.901, 25.696

Trichromacy



Original Color
27, 60.190, 333.290

Protanomaly
23, 55.195, 300.917

Deuteranomaly
25, 40.069, 314.135

Tritanomaly
27, 41.882, 357.601

Monochromacy



Original Color
27, 60.190, 333.290

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 30.165, 330.822

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 60.395, 333.285 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(120, 2, 106)` looks like.

```
.text, #text, p{  
    color:rgb(120, 2, 106)  
}
```

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(120, 2, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 2, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 60.395, 333.285 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(120, 2, 106) }
```

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

```
.border{ border-color:rgb(120, 2, 106) }
```

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

Here you see how a box with a 4 pixel rgb(120, 2, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 2, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 2, 106);  
box-shadow:4px 4px 4px 4px rgb(120, 2,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 60.395, 333.285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 2, 106) }
```

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

```
.background{ background-color: rgb(120, 2,  
106) }
```

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