

Converting Colors

CIELCh(27, 68.370, 325.803)

Have a look what the booklet for
CIELCh(27, 68.370, 325.803)
contains.

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Color

CIELCh(27, 67.997, 325.793)

Conversions

Conversions Part 1

Format	Color
Hex	73007B
RGB	115, 0, 123
RGB Percent	45%, 0%, 48%
CMY	0.5473, 1.0000, 0.5158
CMYK	0.07, 1.00, 0.00, 0.52
HSL	296°, 100%, 24%
HSV	296°, 100%, 48%
XYZ	10.7203, 5.0937, 19.3090
YIQ	48.4070, 29.0570, 62.6330

Conversions

Conversions Part 2

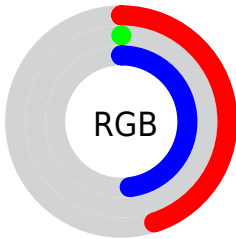
Format	Color
RYB	115, 0, 123
Decimal	7536763
CIELab	27.00, 56.23, -38.23
CIELCh	27, 67.997, 325.793
Yxy	5.0937, 0.3052, 0.1450
Android (android.graphics.Color)	4285726843 (0xFF73007B)
YUV	48.4070, 36.7743, 58.4021
Hunter-Lab	22.5692, 45.2909, -34.9271

Details

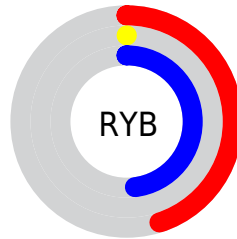
The CIELCh color **27, 67.997, 325.793** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **45, 69.592, 135.580**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 67.463, 325.700**, and **13, 47.345, 323.011** is the 20% darker color. If you saturate the color by 10%, you get **27, 67.787, 325.775**, and if you desaturate by 10%, it is **28, 65.268, 325.809**.

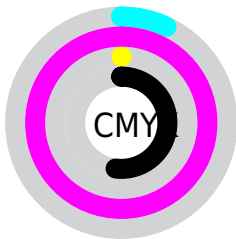
Distribution



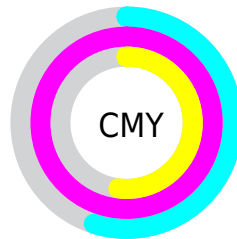
- Red (45%)
- Green (0%)
- Blue (48%)



- Red (45%)
- Yellow (0%)
- Blue (48%)



- Cyan (7%)
- Magenta (100%)
- Yellow (0%)
- Black (52%)





- Cyan (55%)
- Magenta (100%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 67.997, 325.793 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, 67.997, 325.793 by changing the saturation by 10% instead.

 27, 67.997,
325.793


 27, 67.997,
325.793

 100, 67.997,
325.793


 17, 67.997,
325.793


 47, 67.997,
325.793


 7, 67.997, 325.793

 57, 67.997,
325.793

 0, 67.997, 325.793

 67, 67.997,
325.793

 77, 67.997,
325.793

 87, 67.997,
325.793

 97, 67.997,

325.793

■ 27, 67.997,
325.793

■ 27, 67.997,
325.793

■ 27, 67.787,
325.775

■ 28, 65.268,
325.809

■ 29, 61.708,
325.767

■ 31, 56.598,
325.605

■ 33, 50.168,
325.339

■ 36, 42.731,
324.990

■ 38, 34.610,
324.578

■ 42, 26.085,
324.124

■ 45, 17.376,
323.646

■ 48, 8.646, 323.151

Harmonies

Complementary

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



27, 67.997, 325.793



45, 69.592, 135.580

Rectangle

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



27, 67.997, 325.793



27, 67.997, 15.793



27, 67.997, 145.793



27, 67.997, 195.793

Sweetspot

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



27, 67.787, 325.775



53, 32.350, 324.158



13, 74.676, 305.001



26, 22.218, 324.319



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



27, 67.787, 325.775



36, 82.105, 325.717



26, 50.681, 354.524



24, 4.832, 323.104



27, 68.374, 325.772



57, 115.127, 325.642

Inverse Universe

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



25, 57.670, 35.456



33, 71.210, 37.039



45, 54.570, 146.883



24, 2.858, 14.600



25, 58.242, 35.561



53, 101.215, 38.129

Previews

White Background



This preview shows how the CIELCh color 27, 67.997, 325.793 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, 67.997, 325.793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

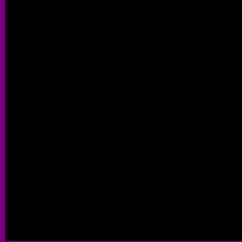
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 67.997, 325.793

Background



This preview shows how black text looks on a background with the CIELCh color 27, 67.997, 325.793.



This preview shows how white text looks on a background with the CIELCh color 27, 67.997, 325.793.

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, 67.605, 325.776

Protanopia
28, 46.695, 285.315

Deuteranopia
29, 31.797, 277.658



Tritanopia
28, 28.555, 20.659

Trichromacy



Original Color
27, 67.605, 325.776

Protanomaly
23, 59.498, 301.227

Deuteranomaly
24, 49.933, 305.016

Tritanomaly
26, 40.711, 346.048

Monochromacy



Original Color
27, 67.605, 325.776

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 33.520, 325.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 67.997, 325.793 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(115, 0, 123)` looks like.

```
.text, #text, p{  
    color:rgb(115, 0, 123)  
}
```

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(115, 0, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 0, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 67.997, 325.793 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(115, 0, 123) }
```

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

```
.border{ border-color:rgb(115, 0, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 0, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 0, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 0, 123);  
box-shadow:4px 4px 4px 4px rgb(115, 0,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 67.997, 325.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 0, 123) }
```

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

```
.background{ background-color: rgb(115, 0,  
123) }
```

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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