

# Converting Colors

XYZ(39.1336, 27.0339, 60.2827)

Have a look what the booklet for  
XYZ(39.1336, 27.0339, 60.2827)  
contains.

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# Color

**XYZ(39.1327, 27.0327,  
60.2821)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C46DCC
RGB	196, 109, 204
RGB Percent	77%, 43%, 80%
CMY	0.2314, 0.5725, 0.2000
CMYK	0.04, 0.47, 0.00, 0.20
HSL	295°, 48%, 61%
HSV	295°, 47%, 80%
XYZ	39.1327, 27.0327, 60.2821
YIQ	145.8430, 21.3570, 47.9890

# Conversions

## Conversions Part 2

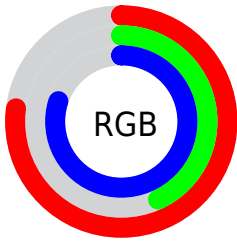
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	196, 109, 204
Decimal	12873164
CIE <sub>Lab</sub>	59.00, 48.67, -34.91
CIE <sub>LCh</sub>	59, 59.894, 324.352
Y <sub>xy</sub>	27.0327, 0.3095, 0.2138
Android (android.graphics.Color)	4291063244 (0xFFC46DCC)
Y <sub>UV</sub>	145.8430, 28.6714, 43.9877
Hunter-Lab	51.9930, 43.3609, -32.3474

# Details

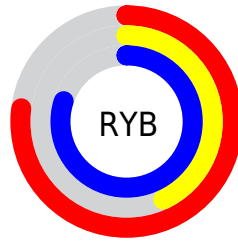
The XYZ color **39.1327, 27.0327, 60.2821** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **31.6902, 48.0725, 22.0779**, and the grayscale version is **27.1385, 28.5519, 31.0930**.

A 20% lighter version of the original color is **72.0202, 54.4852, 101.3286**, and **17.7032, 10.6716, 29.5605** is the 20% darker color. If you saturate the color by 10%, you get **36.7598, 22.9457, 59.6187**, and if you desaturate by 10%, it is **42.0176, 32.1347, 61.1152**.

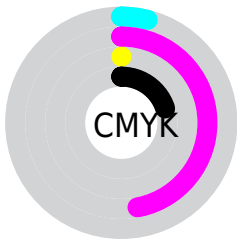
# Distribution



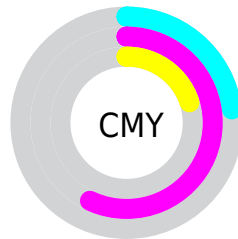
- Red (77%)
- Green (43%)
- Blue (80%)



- Red (77%)
- Yellow (43%)
- Blue (80%)



- Cyan (4%)
- Magenta (47%)
- Yellow (0%)
- Black (20%)




- Cyan (23%)
- Magenta (57%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1327, 27.0327, 60.2821 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 XYZ color 39.1327, 27.0327, 60.2821 by changing the saturation by 10% instead.





 39.1327, 27.0327,  
60.2821


 39.1327, 27.0327,  
60.2821

333.6518,  
287.8154, 443.4703


 27.0442, 17.5978,  
43.2193


 73.1338, 54.9363,  
106.7862


 17.7432, 10.6616,  
29.7245


 95.7770, 74.1738,  
137.0645

 10.8643, 5.8398,  
19.3793


 122.6692, 97.4477,  
172.5850

 6.0423, 2.7479,  
11.7651

 154.1757,  
125.1422, 213.7663

 2.9117, 1.0016,  
6.4633

190.6618,  
157.6419, 261.0270

 1.1072, 0.0000,  
3.0555

232.4930,

 0.0312, 0.0000,

195.3310, 314.7855

1.1230

280.0345,  
238.5941, 375.4604

■ 0.0000, 0.0000,  
0.0000

■ 39.1327, 27.0327,  
60.2821

■ 39.1327, 27.0327,  
60.2821

■ 36.7598, 22.9457,  
59.6187

■ 42.0176, 32.1347,  
61.1152

■ 34.8605, 19.7992,  
59.1115

■ 45.4437, 38.3121,  
62.1270

■ 33.3958, 17.5143,  
58.7476

■ 49.4414, 45.6249,  
63.3278

■ 32.3191, 15.9977,  
58.5116

■ 54.0378, 54.1278,  
64.7268

■ 31.5698, 15.1286,  
58.3834

■ 59.2587, 63.8716,  
66.3324

■ 31.3494, 14.9021,  
58.3513

■ 65.1278, 74.9044,  
68.1526

■ 71.6681, 87.2718,  
70.1950

■ 73.1646, 89.5437,  
70.5547

■ 73.6556, 89.7968,  
70.5776

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.0433, 27.0327, 84.6254



39.1327, 27.0327, 60.2821



42.6856, 27.0327, 33.6454

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.1327, 27.0327, 60.2821



27.1250, 27.0327, 4.6115



14.7563, 27.0327, 49.7233

# Complementary

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



39.1327, 27.0327, 60.2821



31.6902, 48.0725, 22.0779

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.9418, 27.0327, 25.5896



39.1327, 27.0327, 60.2821



20.2438, 27.0327, 5.6852

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.1327, 27.0327, 60.2821



34.9473, 27.0327, 7.1391



15.7488, 27.0327, 11.4536



18.2374, 27.0327, 76.7451



# Rectangle

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



39.1327, 27.0327, 60.2821



42.1599, 27.0327, 20.4158



15.7488, 27.0327, 11.4536



14.1937, 27.0327, 40.7799

# Sweetspot

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



39.1336, 27.0339, 60.2827



83.6025, 78.7340, 105.3986



23.7444, 20.6871, 59.8687



17.5558, 16.2284, 22.4570



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



39.1336, 27.0339, 60.2827



60.8200, 37.9029, 98.7182



37.2543, 26.5290, 39.2346



11.5908, 11.3538, 14.1510



19.7702, 9.3994, 36.7285



1.0480, 0.4994, 1.8961



# Inverse Universe

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



33.5823, 25.0602, 19.8979



50.7086, 34.3535, 23.1015



33.1670, 48.5442, 35.2269



11.2500, 11.2287, 11.8513



15.7525, 8.1116, 1.1494

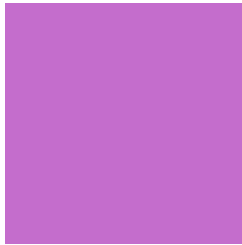


0.8262, 0.4239, 0.1308



# Previews

## White Background



This preview shows how the XYZ color 39.1327, 27.0327, 60.2821 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

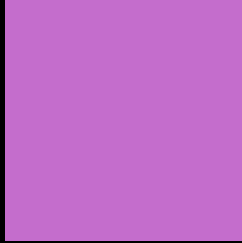
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.1327, 27.0327, 60.2821 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

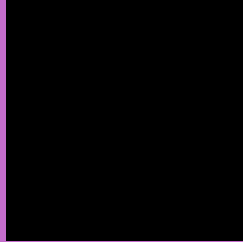
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.1327, 27.0327, 60.2821**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.1327, 27.0327, 60.2821.



This preview shows how white text looks on a background with the XYZ color 39.1327, 27.0327,



# 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

39.1327, 27.0327, 60.2821

### Protanopia

29.5790, 27.3042, 78.5742

### Deuteranopia

28.0301, 27.4121, 57.2398



## Tritanopia

32.2003, 26.9813, 26.4324

# Trichromacy



## Original Color

39.1327, 27.0327, 60.2821



## Protanomaly

31.4178, 26.1478, 71.7977



## Deuteranomaly

30.8533, 26.3547, 58.1044



## Tritanomaly

34.1772, 26.6789, 36.6059

# Monochromacy



## Original Color

39.1327, 27.0327, 60.2821



## Achromatopsia

27.3213, 28.7441, 31.3023



## Achromatomaly

30.6724, 27.4576, 40.2424

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.1327, 27.0327, 60.2821 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(196, 109, 204)` looks like.

```
.text, #text, p{  
    color:rgb(196, 109, 204)  
}
```

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(196, 109, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 109, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 39.1327, 27.0327, 60.2821 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(196, 109, 204) }
```



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

```
.border{ border-color:rgb(196, 109, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 109, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 109, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 109, 204);  
box-shadow:4px 4px 4px 4px rgb(196, 109,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.1327, 27.0327, 60.2821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 109, 204) }
```

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

```
.background{ background-color: rgb(196,  
109, 204) }
```

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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