

# Converting Colors

XYZ(39.6618, 26.7591, 70.7848)

Have a look what the booklet for  
XYZ(39.6618, 26.7591, 70.7848)  
contains.

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# Color

**XYZ(39.6618, 26.7591,  
70.7848)**

# Conversions

Conversions Part 1	
Format	Color
Hex	BF6BDC
RGB	191, 107, 220
RGB Percent	75%, 42%, 86%
CMY	0.2510, 0.5804, 0.1373
CMYK	0.13, 0.51, 0.00, 0.14
HSL	285°, 62%, 64%
HSV	285°, 51%, 86%
XYZ	39.6618, 26.7591, 70.7848
YIQ	144.9980, 13.7910, 52.9510

# Conversions

## Conversions Part 2

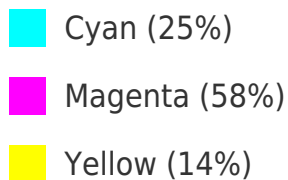
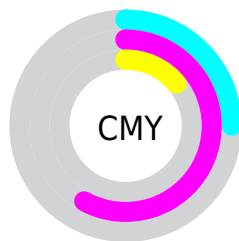
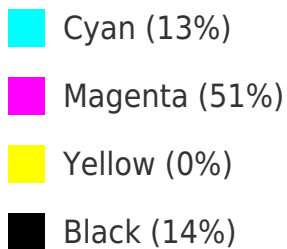
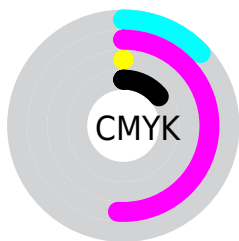
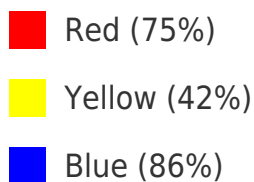
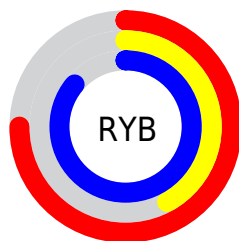
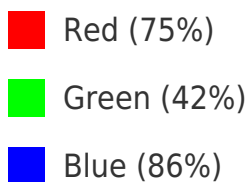
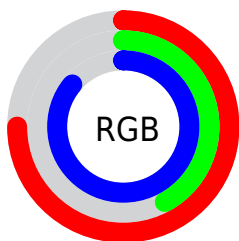
Format	Color
<a href="#">RYB</a>	<a href="#">191, 107, 220</a>
Decimal	<a href="#">12544988</a>
CIELab	<a href="#">58.75, 51.43, -44.38</a>
CIELCh	<a href="#">59, 67.932, 319.213</a>
Yxy	<a href="#">26.7591, 0.2891, 0.1950</a>
Android (android.graphics.Color)	<a href="#">4290735068</a> (0xFFBF6BDC)
YUV	<a href="#">144.9980, 36.9760, 40.3438</a>
Hunter-Lab	<a href="#">51.7292, 46.3334, -44.9204</a>

# Details

The XYZ color **39.6618, 26.7591, 70.7848** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.4013, 57.4829, 22.9824**, and the grayscale version is **26.7645, 28.1584, 30.6644**.

A 20% lighter version of the original color is **69.8618, 52.8495, 101.1266**, and **18.0117, 10.4696, 36.1935** is the 20% darker color. If you saturate the color by 10%, you get **36.2607, 22.0236, 70.0504**, and if you desaturate by 10%, it is **43.7030, 32.6918, 71.7174**.

# Distribution




# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6618, 26.7591, 70.7848 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 39.6618, 26.7591, 70.7848 by changing the saturation by 10% instead.




 39.6618, 26.7591,  
70.7848

 39.6618, 26.7591,  
70.7848

335.8550,  
286.4888, 482.1642

 27.4580, 17.3924,  
51.6858


 73.9359, 54.4971,  
122.0188


 18.0558, 10.5146,  
36.3742


 96.7368, 73.6371,  
154.9910

 11.0900, 5.7415,  
24.4314


 123.8009, 96.8037,  
193.4247

 6.1952, 2.6885,  
15.4388

 155.4934,  
124.3812, 237.7384

 3.0059, 0.9714,  
8.9779

192.1797,  
156.7541, 288.3506

 1.1569, 0.0000,  
4.6301


234.2251,


 0.0719, 0.0000,

194.3067, 345.6800


1.9770


281.9951,  
237.4235, 410.1450


 0.0000, 0.0000,  
0.5411


 0.0000, 0.0000,  
0.0000


 39.6618, 26.7591,  
70.7848


 39.6618, 26.7591,  
70.7848


 36.2607, 22.0236,  
70.0504


 43.7030, 32.6918,  
71.7174


 33.4510, 18.3913,  
69.4974


 48.4224, 39.8996,  
72.8599


 31.1812, 15.7595,  
69.1091


 53.8583, 48.4574,  
74.2252


 29.3888, 14.0040,  
68.8647


 60.0453, 58.4335,  
75.8247


 28.1336, 13.0111,  
68.7392

 67.0156, 69.8915,  
77.6689

 74.7995, 82.8910,  
79.7678

 81.4798, 93.5971,  
81.4822

 83.3268, 94.5493,  
81.5687

 85.2331, 95.5320,  
81.6579

# Harmonies

## Analogous

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



31.1035, 26.7591, 97.8891



39.6618, 26.7591, 70.7848



44.7354, 26.7591, 38.6374

# Triad

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



39.6618, 26.7591, 70.7848



28.5649, 26.7591, 3.2672



13.0664, 26.7591, 47.0796

# Complementary

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



39.6618, 26.7591, 70.7848



38.4013, 57.4829, 22.9824

# 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.



12.6779, 26.7591, 21.3361



39.6618, 26.7591, 70.7848



20.4986, 26.7591, 3.6918

# Square

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



39.6618, 26.7591, 70.7848



37.4564, 26.7591, 6.3223



15.0944, 26.7591, 8.2131



16.3058, 26.7591, 79.7927



# Rectangle

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



39.6618, 26.7591, 70.7848



44.8473, 26.7591, 22.3646



15.0944, 26.7591, 8.2131



12.6297, 26.7591, 37.1526

# Sweetspot

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



39.6628, 26.7602, 70.7854



80.5188, 76.1625, 105.0648



27.9474, 26.2236, 71.2993



16.8403, 15.6663, 22.3863



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.



39.6628, 26.7602, 70.7854



50.1715, 30.1112, 97.7755



44.4702, 29.6107, 54.1958



13.2712, 13.0979, 16.4808



16.6196, 7.6919, 40.3471



1.1548, 0.5386, 2.6175



# Inverse Universe

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



39.2177, 27.5097, 26.5366



50.0549, 31.6107, 27.3089



35.9166, 56.0165, 31.2439



13.1925, 13.1061, 14.2749



17.7863, 9.1155, 3.2545

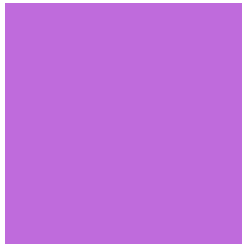


1.1872, 0.6045, 0.3949



# Previews

## White Background



This preview shows how the XYZ color 39.6618, 26.7591, 70.7848 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

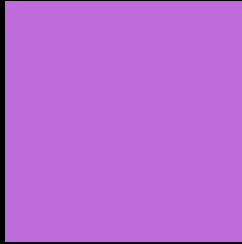
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 39.6618, 26.7591, 70.7848 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

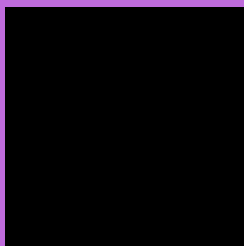
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.6618, 26.7591, 70.7848**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.6618, 26.7591, 70.7848.



This preview shows how white text looks on a background with the XYZ color 39.6618, 26.7591,



# 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

39.6618, 26.7591, 70.7848

### Protanopia

30.3461, 27.1784, 92.4535

### Deuteranopia

27.8468, 27.0929, 67.3801



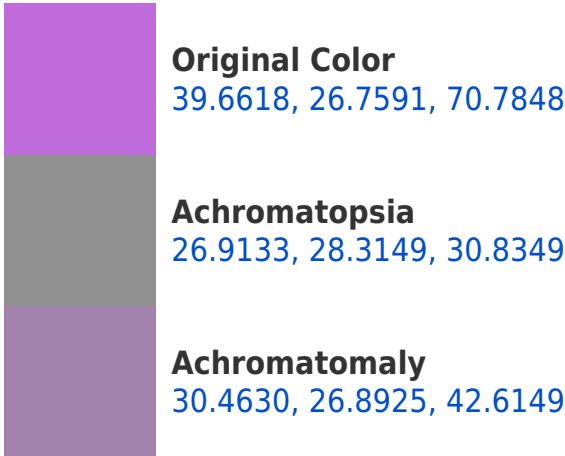
## Tritanopia

30.6951, 26.5686, 27.1774

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.6618, 26.7591, 70.7848 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(191, 107, 220) looks like.

```
.text, #text, p{  
    color:rgb(191, 107, 220)  
}
```

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(191, 107, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 107, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 39.6618, 26.7591, 70.7848 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(191, 107, 220) }
```



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

```
.border{ border-color:rgb(191, 107, 220) }
```

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

Here you see how a box with a 4 pixel rgb(191, 107, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 107, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 107, 220);  
box-shadow:4px 4px 4px 4px rgb(191, 107,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.6618, 26.7591, 70.7848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 107, 220) }
```

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

```
.background{ background-color: rgb(191,  
107, 220) }
```

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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