

# Converting Colors

XYZ(33.6319, 26.5840, 31.9773)

Have a look what the booklet for  
XYZ(33.6319, 26.5840, 31.9773)  
contains.

<b>XYZ(33.5075, 26.4399, 31.7712)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(33.5075, 26.4399,  
31.7712)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BF7795
RGB	191, 119, 149
RGB Percent	75%, 47%, 58%
CMY	0.2510, 0.5333, 0.4157
CMYK	0.00, 0.38, 0.22, 0.25
HSL	335°, 36%, 61%
HSV	335°, 38%, 75%
XYZ	33.5075, 26.4399, 31.7712
YIQ	143.9480, 33.2820, 24.5940

# Conversions

## Conversions Part 2

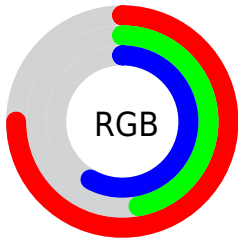
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 119, 149
Decimal	12547989
CIE <sub>Lab</sub>	58.45, 32.30, -4.29
CIE <sub>LCh</sub>	58, 32.582, 352.437
Yxy	26.4399, 0.3653, 0.2883
Android (android.graphics.Color)	4290738069 (0xFFBF7795)
YUV	143.9480, 2.4906, 41.2646
Hunter-Lab	51.4197, 26.3344, -0.6402

# Details

The XYZ color **33.5075, 26.4399, 31.7712** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **32.6727, 43.7575, 40.4442**, and the grayscale version is **26.4699, 27.8484, 30.3269**.

A 20% lighter version of the original color is **64.5989, 53.9566, 63.5098**, and **14.4861, 10.3723, 12.7938** is the 20% darker color. If you saturate the color by 10%, you get **30.6112, 22.0034, 26.6248**, and if you desaturate by 10%, it is **36.9472, 31.8265, 37.5192**.

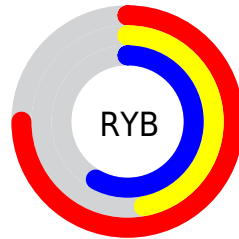
# Distribution



Red (75%)

Green (47%)

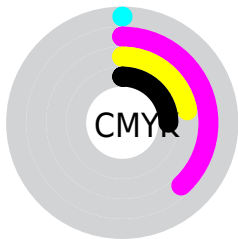
Blue (58%)



Red (75%)

Yellow (47%)

Blue (58%)

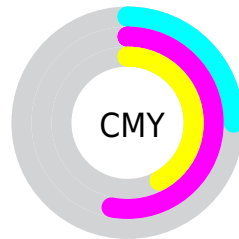


Cyan (0%)

Magenta (38%)

Yellow (22%)

Black (25%)



Cyan (25%)

Magenta (53%)


Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5075, 26.4399, 31.7712 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 33.5075, 26.4399, 31.7712 by changing the saturation by 10% instead.





 33.5075, 26.4399,  
31.7712


 33.5075, 26.4399,  
31.7712


309.5551,  
284.9349, 324.5362


 22.6766, 17.1530,  
20.9234


 64.5164, 53.9838,  
63.5460

 14.4743, 10.3437,  
12.8773


 85.4252, 73.0095,  
85.3100

 8.5352, 5.6274,  
7.2144


 110.4240, 96.0504,  
111.5500

 4.4939, 2.6199,  
3.5161

139.8781,  
123.4908, 142.6843

 1.9852, 0.9367,  
1.3638

174.1529,  
155.7150, 179.1315

 0.6256, 0.0000,  
0.1132

213.6137,

 0.0000, 0.0000,

193.1075, 221.3102

0.0000

258.6260,  
236.0527, 269.6389

■ 33.5075, 26.4399,  
31.7712

■ 33.5075, 26.4399,  
31.7712

■ 30.6112, 22.0034,  
26.6248

■ 36.9472, 31.8265,  
37.5192

■ 28.2262, 18.4572,  
22.0568

■ 40.9556, 38.2109,  
43.8877

■ 26.3203, 15.7407,  
18.0445


■ 45.5589, 45.6419,  
50.8966


■ 24.8562, 13.7838,  
14.5625


■ 50.7813, 54.1641,  
58.5643


■ 23.7911, 12.5049,  
11.5831


■ 56.6453, 63.8194,  
66.9084


 23.0624, 11.7835,  
9.0710

 63.1723, 74.6477,  
75.9460

 22.9184, 11.6494,  
8.5486

 70.3829, 86.6867,  
85.6932

 72.6990, 88.7776,  
94.3000

 74.3887, 89.4535,  
103.1981

# Harmonies

## Analogous

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



31.6993, 26.4399, 44.3274



33.5075, 26.4399, 31.7712



32.8900, 26.4399, 21.2061

# Triad

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



33.5075, 26.4399, 31.7712



22.3206, 26.4399, 12.9083



20.7468, 26.4399, 49.8964

# Complementary

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



33.5075, 26.4399, 31.7712



32.6727, 43.7575, 40.4442

# 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.



18.6985, 26.4399, 37.9922



33.5075, 26.4399, 31.7712



19.5380, 26.4399, 17.3857

# Square

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



33.5075, 26.4399, 31.7712



26.1513, 26.4399, 12.0668



18.2805, 26.4399, 25.9987



24.1363, 26.4399, 56.4461



# Rectangle

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



33.5075, 26.4399, 31.7712



31.2133, 26.4399, 16.3851



18.2805, 26.4399, 25.9987



19.8939, 26.4399, 46.2592

# Sweetspot

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



33.5083, 26.4412, 31.7717



78.6031, 76.8951, 86.6549



30.6998, 24.5337, 52.4079



17.0094, 16.4797, 18.6475



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



33.5083, 26.4412, 31.7717



55.7782, 40.8528, 49.4281



32.1502, 27.0768, 20.9861



9.6906, 9.6005, 10.7597



15.0998, 7.6711, 5.8191



0.6241, 0.3135, 0.4000



# Inverse Universe

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



33.5083, 26.4412, 31.7717



55.7782, 40.8528, 49.4281



34.3616, 42.3822, 55.6600



9.6906, 9.6005, 10.7597



15.0998, 7.6711, 5.8191

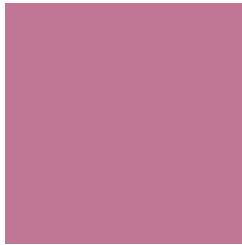


0.6241, 0.3135, 0.4000



# Previews

## White Background



This preview shows how the XYZ color 33.5075, 26.4399, 31.7712 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

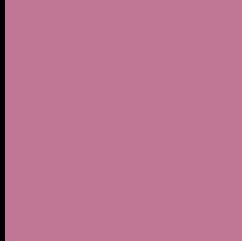
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 33.5075, 26.4399, 31.7712 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

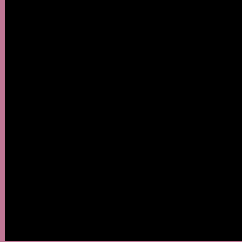
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 33.5075, 26.4399, 31.7712**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.5075, 26.4399, 31.7712.



This preview shows how white text looks on a background with the XYZ color 33.5075, 26.4399,



# 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

33.5075, 26.4399, 31.7712

### Protanopia

26.2162, 26.6832, 37.9510

### Deuteranopia

27.0829, 26.6420, 30.9091



## Tritanopia

32.0425, 26.3766, 24.8751

# Trichromacy



## Original Color

33.5075, 26.4399, 31.7712

## Protanomaly

28.2417, 26.1049, 35.4485

## Deuteranomaly

28.9750, 26.1788, 31.1296

## Tritanomaly

32.6600, 26.4569, 27.4301

# Monochromacy



## Original Color

33.5075, 26.4399, 31.7712

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

28.5502, 26.9803, 30.8971

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.5075, 26.4399, 31.7712 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, 119, 149)` looks like.

```
.text, #text, p{  
    color:rgb(191, 119, 149)  
}
```

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, 119, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 119, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 33.5075, 26.4399, 31.7712 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, 119, 149) }
```



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

```
.border{ border-color:rgb(191, 119, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 119, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 119, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 119, 149);  
box-shadow:4px 4px 4px 4px rgb(191, 119,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.5075, 26.4399, 31.7712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 119, 149) }
```

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

```
.background{ background-color: rgb(191,  
119, 149) }
```

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