

# Converting Colors

XYZ(35.4739, 26.7069, 49.7396)

Have a look what the booklet for  
XYZ(35.4739, 26.7069, 49.7396)  
contains.

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# Color

**XYZ(35.4739, 26.7069,  
49.7396)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BA75BA
RGB	186, 117, 186
RGB Percent	73%, 46%, 73%
CMY	0.2706, 0.5412, 0.2706
CMYK	0.00, 0.37, 0.00, 0.27
HSL	300°, 33%, 59%
HSV	300°, 37%, 73%
XYZ	35.4739, 26.7069, 49.7396
YIQ	145.4970, 18.9750, 36.0870

# Conversions

## Conversions Part 2

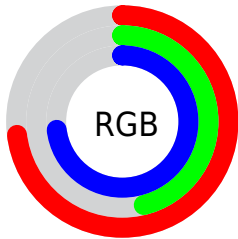
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	186, 117, 186
Decimal	12219834
CIE Lab	58.70, 38.00, -25.24
CIE LCh	59, 45.617, 326.413
Yxy	26.7069, 0.3170, 0.2386
Android (android.graphics.Color)	4290409914 (0xFFBA75BA)
YUV	145.4970, 19.9680, 35.5211
Hunter-Lab	51.6787, 32.0903, -20.8902

# Details

The XYZ color **35.4739, 26.7069, 49.7396** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.1070, 40.1850, 23.1062**, and the grayscale version is **27.0325, 28.4403, 30.9715**.

A 20% lighter version of the original color is **67.3639, 54.2149, 90.9185**, and **15.5419, 10.4152, 23.3815** is the 20% darker color. If you saturate the color by 10%, you get **33.5186, 22.7957, 49.0880**, and if you desaturate by 10%, it is **37.8615, 31.4816, 50.5358**.

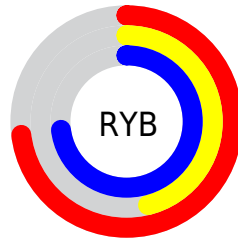
# Distribution



Red (73%)

Green (46%)

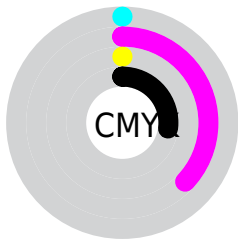
Blue (73%)



Red (73%)

Yellow (46%)

Blue (73%)

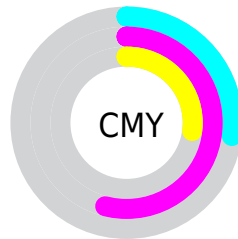


Cyan (0%)

Magenta (37%)

Yellow (0%)

Black (27%)



Cyan (27%)

Magenta (54%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4739, 26.7069, 49.7396 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 35.4739, 26.7069, 49.7396 by changing the saturation by 10% instead.





 35.4739, 26.7069,  
49.7396


 35.4739, 26.7069,  
49.7396


318.1267,  
286.2352, 402.3526


 24.1964, 17.3532,  
34.8368


 67.5485, 54.4132,  
91.1813

 15.6049, 10.4866,  
23.2546


 89.0762, 73.5346,  
118.5572

 9.3341, 5.7228,  
14.5746


 114.7514, 96.6806,  
150.9280

 5.0186, 2.6773,  
8.3781

144.9394,  
124.2358, 188.7121

 2.2930, 0.9657,  
4.2466

180.0056,  
156.5844, 232.3280

 0.7911, 0.0000,  
1.7616

220.3153,

 0.0000, 0.0000,

194.1109, 282.1944

0.4024

266.2339,  
237.1997, 338.7298

■ 0.0000, 0.0000,  
0.0000

■ 35.4739, 26.7069,  
49.7396

■ 35.4739, 26.7069,  
49.7396

■ 33.5186, 22.7957,  
49.0880

■ 37.8615, 31.4816,  
50.5358

■ 31.9673, 19.6931,  
48.5709

■ 40.7024, 37.1633,  
51.4828

■ 30.7926, 17.3438,  
48.1792


■ 44.0192, 43.7968,  
52.5885


■ 29.9625, 15.6835,  
47.9025


■ 47.8323, 51.4230,  
53.8596


■ 29.4396, 14.6378,  
47.7281


■ 52.1609, 60.0802,  
55.3025


 29.1715, 14.1017,  
47.6387

 57.0232, 69.8049,  
56.9234

 29.1129, 13.9844,  
47.6191

 62.4366, 80.6316,  
58.7279

 64.8731, 85.5045,  
59.5401

 64.8731, 85.5045,  
59.5402

# Harmonies

## Analogous

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



30.4921, 26.7069, 66.4574



35.4739, 26.7069, 49.7396



37.7457, 26.7069, 31.0555

# Triad

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



35.4739, 26.7069, 49.7396



26.0651, 26.7069, 7.8582



16.8959, 26.7069, 45.1030

# Complementary

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



35.4739, 26.7069, 49.7396



28.1070, 40.1850, 23.1062

# 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.



16.0674, 26.7069, 27.1887



35.4739, 26.7069, 49.7396



20.8810, 26.7069, 9.2567

# Square

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



35.4739, 26.7069, 49.7396



31.8323, 26.7069, 10.1874



17.4157, 26.7069, 15.1169



19.8714, 26.7069, 63.1596



# Rectangle

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



35.4739, 26.7069, 49.7396



37.2031, 26.7069, 21.1934



17.4157, 26.7069, 15.1169



16.3779, 26.7069, 38.7126

# Sweetspot

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



35.4748, 26.7081, 49.7402



77.2225, 74.2556, 94.4640



22.5616, 20.0511, 49.1361



16.8250, 15.9909, 20.7423



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



35.4748, 26.7081, 49.7402



61.1884, 42.1875, 89.1189



32.2386, 25.4136, 32.6989



9.3810, 9.1628, 11.3536



19.5860, 9.4082, 32.0363



0.6905, 0.3317, 1.1294



# Inverse Universe

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



35.4748, 26.7081, 49.7402



61.1884, 42.1875, 89.1189



30.5227, 41.1512, 35.8270



9.3810, 9.1628, 11.3536



19.5860, 9.4082, 32.0363



0.6905, 0.3317, 1.1294



# Previews

## White Background



This preview shows how the XYZ color 35.4739, 26.7069, 49.7396 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

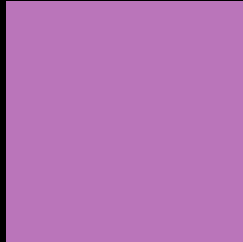
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.4739, 26.7069, 49.7396 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

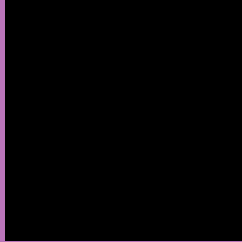
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.4739, 26.7069, 49.7396**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.4739, 26.7069, 49.7396.



This preview shows how white text looks on a background with the XYZ color 35.4739, 26.7069,



# 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

35.4739, 26.7069, 49.7396

### Protanopia

27.8973, 26.8420, 60.2106

### Deuteranopia

27.5076, 26.9110, 48.0005



## Tritanopia

30.9271, 26.6882, 27.1882

# Trichromacy



## Original Color

35.4739, 26.7069, 49.7396

## Protanomaly

29.8714, 26.2836, 56.3222

## Deuteranomaly

29.8004, 26.4238, 48.3294

## Tritanomaly

32.2908, 26.4776, 34.4191

# Monochromacy



## Original Color

35.4739, 26.7069, 49.7396

## Achromatopsia

27.3213, 28.7441, 31.3023

## Achromatomaly

29.7949, 27.4782, 37.4517

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4739, 26.7069, 49.7396 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(186, 117, 186)` looks like.

```
.text, #text, p{  
    color:rgb(186, 117, 186)  
}
```

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(186, 117, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 117, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4739, 26.7069, 49.7396 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(186, 117, 186) }
```



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

```
.border{ border-color:rgb(186, 117, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 117, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 117, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 117, 186);  
box-shadow:4px 4px 4px 4px rgb(186, 117,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4739, 26.7069, 49.7396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 117, 186) }
```

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

```
.background{ background-color: rgb(186,  
117, 186) }
```

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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