

# Converting Colors

XYZ(35.0364, 27.8492, 43.6652)

Have a look what the booklet for  
XYZ(35.0364, 27.8492, 43.6652)  
contains.

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# Color

**XYZ(35.0973, 27.9104,  
43.5818)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BA7CAE
RGB	186, 124, 174
RGB Percent	73%, 49%, 68%
CMY	0.2706, 0.5137, 0.3176
CMYK	0.00, 0.33, 0.06, 0.27
HSL	312°, 31%, 61%
HSV	312°, 33%, 73%
XYZ	35.0973, 27.9104, 43.5818
YIQ	148.2380, 20.9020, 28.6940

# Conversions

## Conversions Part 2

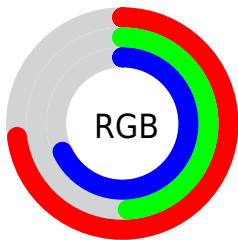
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 124, 174
Decimal	12221614
CIELab	59.81, 31.96, -16.69
CIELCh	60, 36.053, 332.423
Yxy	27.9104, 0.3293, 0.2618
Android (android.graphics.Color)	4290411694 (0xFFBA7CAE)
YUV	148.2380, 12.7007, 33.1173
Hunter-Lab	52.8303, 26.1318, -11.9295

# Details

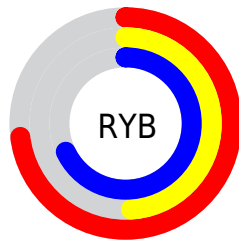
The XYZ color **35.0973, 27.9104, 43.5818** is a light color, and the websafe version is hex **996699**. A complement of this color would be **30.3162, 41.1813, 29.6452**, and the grayscale version is **28.1909, 29.6590, 32.2987**.

A 20% lighter version of the original color is **66.9672, 56.2121, 82.1834**, and **15.4774, 11.2082, 19.7600** is the 20% darker color. If you saturate the color by 10%, you get **32.6364, 23.5424, 41.0531**, and if you desaturate by 10%, it is **38.0090, 33.1639, 46.3077**.

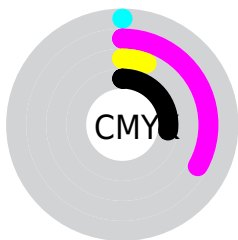
# Distribution



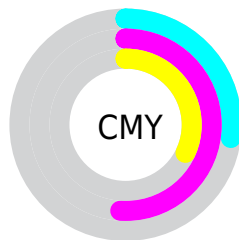
- Red (73%)
- Green (49%)
- Blue (68%)



- Red (73%)
- Yellow (49%)
- Blue (68%)



- Cyan (0%)
- Magenta (33%)
- Yellow (6%)
- Black (27%)




- Cyan (27%)
- Magenta (51%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0973, 27.9104, 43.5818 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 35.0973, 27.9104, 43.5818 by changing the saturation by 10% instead.





 35.0973, 27.9104,  
43.5818


 35.0973, 27.9104,  
43.5818


316.4981,  
292.0385, 376.9903


 23.9047, 18.2581,  
30.0071


 66.9695, 56.3414,  
81.8838

 15.3873, 11.1355,  
19.5919


 88.3798, 75.8888,  
107.4482

 9.1797, 6.1580,  
11.9176


 113.9267, 99.5035,  
137.8463

 4.9166, 2.9414,  
6.5657

143.9757,  
127.5698, 173.4966

 2.2327, 1.1012,  
3.1177

178.8919,  
160.4720, 214.8175

 0.7599, 0.0000,  
1.1551

219.0408,

 0.0000, 0.0000,

198.5946, 262.2278

0.0000

264.7877,  
242.3220, 316.1458

■ 35.0973, 27.9104,  
43.5818

■ 35.0973, 27.9104,  
43.5818

■ 32.6364, 23.5424,  
41.0531

■ 38.0090, 33.1639,  
46.3077

■ 30.5989, 20.0066,  
38.7114

■ 41.3917, 39.3450,  
49.2372

■ 28.9582, 17.2497,  
36.5476

■ 45.2678, 46.4973,  
52.3782

■ 27.6838, 15.2108,  
34.5513

■ 49.6571, 54.6609,  
55.7377

■ 26.7407, 13.8197,  
32.7103

■ 54.5787, 63.8733,  
59.3225

■ 26.0866, 12.9922,  
31.0103

■ 60.0503, 74.1703,  
63.1388

■ 25.7548, 12.6412,  
29.9360

■ 66.0892, 85.5860,  
67.1927

■ 66.7659, 86.2616,  
69.5080

■ 67.1995, 86.4350,  
71.7914

# Harmonies

## Analogous

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



31.5200, 27.9104, 56.9437



35.0973, 27.9104, 43.5818



36.3037, 27.9104, 29.3391

# Triad

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



35.0973, 27.9104, 43.5818



26.1586, 27.9104, 11.5525



19.7848, 27.9104, 45.9653

# Complementary

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



35.0973, 27.9104, 43.5818



30.3162, 41.1813, 29.6452

# 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.



18.6865, 27.9104, 31.4651



35.0973, 27.9104, 43.5818



22.0930, 27.9104, 13.7210

# Square

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



35.0973, 27.9104, 43.5818



30.8043, 27.9104, 13.1048



19.4811, 27.9104, 20.1709



22.6670, 27.9104, 58.5747



# Rectangle

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



35.0973, 27.9104, 43.5818



35.5011, 27.9104, 21.7713



19.4811, 27.9104, 20.1709



19.2107, 27.9104, 41.0266

# Sweetspot

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



35.0982, 27.9117, 43.5824



77.1499, 75.2246, 91.0047



26.1226, 23.1433, 49.5451



16.7784, 16.1766, 19.8667



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.



35.0982, 27.9117, 43.5824



60.2688, 44.6338, 75.6004



32.4644, 26.8582, 29.7133



9.3044, 9.1321, 10.9503



17.3533, 8.5151, 20.2792



0.6311, 0.3079, 0.8170



# Inverse Universe

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



35.0982, 27.9117, 43.5824



60.2688, 44.6338, 75.6004



32.7887, 42.1703, 42.6655



9.3044, 9.1321, 10.9503



17.3533, 8.5151, 20.2792

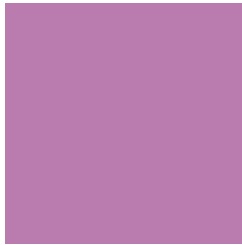


0.6311, 0.3079, 0.8170



# Previews

## White Background



This preview shows how the XYZ color 35.0973, 27.9104, 43.5818 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

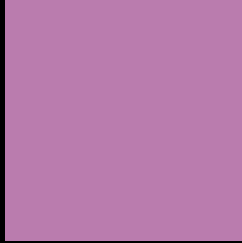
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 35.0973, 27.9104, 43.5818 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

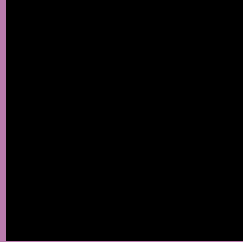
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.0973, 27.9104, 43.5818**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0973, 27.9104, 43.5818.



This preview shows how white text looks on a background with the XYZ color 35.0973, 27.9104,



# 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

35.0973, 27.9104, 43.5818

### Protanopia

28.4650, 28.2193, 50.9603

### Deuteranopia

28.7296, 28.1010, 42.4379



## Tritanopia

32.0077, 27.8038, 28.4906

# Trichromacy



**Original Color**

35.0973, 27.9104, 43.5818

**Protanomaly**

30.1966, 27.6611, 48.0036

**Deuteranomaly**

30.8083, 27.8836, 42.7880

**Tritanomaly**

32.9151, 27.7726, 33.3316

# Monochromacy



**Original Color**

35.0973, 27.9104, 43.5818

**Achromatopsia**

28.1479, 29.6138, 32.2495

**Achromatomaly**

30.2187, 28.5809, 35.8223

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0973, 27.9104, 43.5818 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, 124, 174)` looks like.

```
.text, #text, p{  
    color:rgb(186, 124, 174)  
}
```

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, 124, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 124, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0973, 27.9104, 43.5818 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, 124, 174) }
```



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

```
.border{ border-color:rgb(186, 124, 174) }
```

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

Here you see how a box with a 4 pixel rgb(186, 124, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 124, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 124, 174);  
box-shadow:4px 4px 4px 4px rgb(186, 124,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0973, 27.9104, 43.5818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 124, 174) }
```

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

```
.background{ background-color: rgb(186,  
124, 174) }
```

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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