

# Converting Colors

XYZ(31.9518, 27.9088, 36.2172)

Have a look what the booklet for  
XYZ(31.9518, 27.9088, 36.2172)  
contains.

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# Color

**XYZ(31.8784, 27.9698,  
36.0663)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AE849E
RGB	174, 132, 158
RGB Percent	68%, 52%, 62%
CMY	0.3176, 0.4823, 0.3804
CMYK	0.00, 0.24, 0.09, 0.32
HSL	323°, 21%, 60%
HSV	323°, 24%, 68%
XYZ	31.8784, 27.9698, 36.0663
YIQ	147.5220, 16.6860, 16.9900

# Conversions

## Conversions Part 2

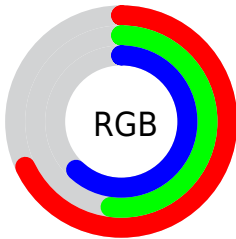
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 132, 158
Decimal	11437214
CIELab	59.86, 20.41, -7.59
CIELCh	60, 21.770, 339.608
Yxy	27.9698, 0.3324, 0.2916
Android (android.graphics.Color)	4289627294 (0xFFAE849E)
YUV	147.5220, 5.1657, 23.2212
Hunter-Lab	52.8865, 15.0432, -3.4127

# Details

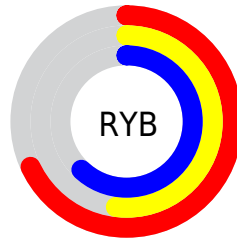
The XYZ color **31.8784, 27.9698, 36.0663** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.9982, 37.3166, 33.6404**, and the grayscale version is **27.9245, 29.3787, 31.9934**.

A 20% lighter version of the original color is **61.9923, 56.3250, 70.5553**, and **13.5563, 11.1611, 15.3497** is the 20% darker color. If you saturate the color by 10%, you get **29.1576, 23.4166, 32.4198**, and if you desaturate by 10%, it is **35.0252, 33.3249, 40.0073**.

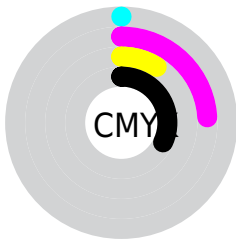
# Distribution



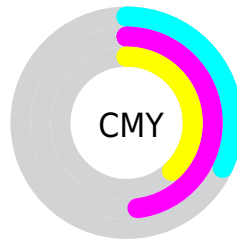
- Red (68%)
- Green (52%)
- Blue (62%)



- Red (68%)
- Yellow (52%)
- Blue (62%)



- Cyan (0%)
- Magenta (24%)
- Yellow (9%)
- Black (32%)



- Cyan (32%)
- Magenta (48%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8784, 27.9698, 36.0663 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 31.8784, 27.9698, 36.0663 by changing the saturation by 10% instead.



31.8784, 27.9698,  
36.0663

31.8784, 27.9698,  
36.0663

302.3201,  
292.3226, 344.2964

21.4237, 18.3029,  
24.1953

61.9869, 56.4362,  
70.3046

13.5483, 11.1677,  
15.2650

82.3714, 76.0045,  
93.5090

7.8868, 6.1797,  
8.8569

106.7966, 99.6421,  
121.3282

4.0738, 2.9547,  
4.5524

135.6279,  
127.7333, 154.1808

1.7440, 1.1081,  
1.9330

169.2305,  
160.6626, 192.4855

0.4835, 0.0000,  
0.5136

207.9698,

0.0000, 0.0000,

198.8143, 236.6606

0.0000

252.2112,  
242.5728, 287.1247

■ 31.8784, 27.9698,  
36.0663

■ 31.8784, 27.9698,  
36.0663

■ 29.1576, 23.4166,  
32.4198

■ 35.0252, 33.3249,  
40.0073

■ 26.8403, 19.6223,  
29.0570

■ 38.6141, 39.5147,  
44.2496

■ 24.9058, 16.5457,  
25.9688

■ 42.6634, 46.5746,  
48.8019

■ 23.3301, 14.1400,  
23.1449

■ 47.1897, 54.5369,  
53.6718

■ 22.0867, 12.3528,  
20.5738

■ 52.2086, 63.4322,  
58.8668

■ 21.1452, 11.1240,  
18.2427

■ 57.7350, 73.2898,  
64.3939

■ 20.4688, 10.3812,  
16.1368

■ 63.7834, 84.1376,  
70.2601

■ 20.1471, 10.0753,  
14.9893

■ 64.9779, 85.2236,  
74.6754

■ 65.8266, 85.5631,  
79.1446

# Harmonies

## Analogous

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



30.1152, 27.9698, 43.7364



31.8784, 27.9698, 36.0663



32.1708, 27.9698, 27.9863

# Triad

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



31.8784, 27.9698, 36.0663



25.7081, 27.9698, 17.7870



22.7000, 27.9698, 41.2140

# Complementary

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



31.8784, 27.9698, 36.0663



29.9982, 37.3166, 33.6404

# 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.



21.6854, 27.9698, 33.0634



31.8784, 27.9698, 36.0663



23.3410, 27.9698, 20.1769

# Square

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



31.8784, 27.9698, 36.0663



28.4779, 27.9698, 18.3089



21.9117, 27.9698, 25.4570



24.7769, 27.9698, 47.0472



# Rectangle

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



31.8784, 27.9698, 36.0663



31.4732, 27.9698, 23.5423



21.9117, 27.9698, 25.4570



22.2301, 27.9698, 38.6019

# Sweetspot

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



31.8792, 27.9711, 36.0669



68.0103, 68.1579, 77.9063



27.9969, 25.8000, 43.5492



15.0304, 15.0008, 17.2152



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



31.8792, 27.9711, 36.0669



55.0771, 46.1179, 61.7986



30.2664, 27.3259, 27.5738



8.2058, 8.0956, 9.3943



14.6423, 7.3194, 11.0275



0.4329, 0.2138, 0.4413



# Inverse Universe

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



31.8792, 27.9711, 36.0669



55.0771, 46.1179, 61.7986



31.7579, 38.0205, 42.9070



8.2058, 8.0956, 9.3943



14.6423, 7.3194, 11.0275



0.4329, 0.2138, 0.4413



# Previews

## White Background



This preview shows how the XYZ color 31.8784, 27.9698, 36.0663 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

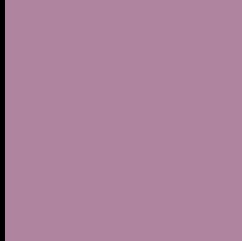
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.8784, 27.9698, 36.0663 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

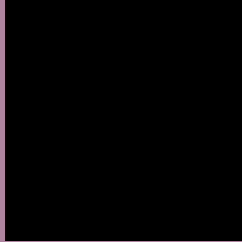
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 31.8784, 27.9698, 36.0663**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.8784, 27.9698, 36.0663.



This preview shows how white text looks on a background with the XYZ color 31.8784, 27.9698,



# 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

31.8784, 27.9698, 36.0663

### Protanopia

27.5985, 28.0243, 39.5519

### Deuteranopia

28.5157, 27.9288, 35.3403



## Tritanopia

30.6492, 27.8652, 30.5512

# Trichromacy



## Original Color

31.8784, 27.9698, 36.0663

## Protanomaly

28.8911, 27.8462, 38.0345

## Deuteranomaly

29.7294, 27.9027, 35.7171

## Tritanomaly

31.1261, 27.8613, 32.5914

# Monochromacy



## Original Color

31.8784, 27.9698, 36.0663

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

29.2451, 28.7811, 33.7197

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.8784, 27.9698, 36.0663 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(174, 132, 158)` looks like.

```
.text, #text, p{  
    color:rgb(174, 132, 158)  
}
```

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(174, 132, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 132, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 31.8784, 27.9698, 36.0663 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(174, 132, 158) }
```



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

```
.border{ border-color:rgb(174, 132, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 132, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 132, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 132, 158);  
box-shadow:4px 4px 4px 4px rgb(174, 132,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.8784, 27.9698, 36.0663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 132, 158) }
```

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

```
.background{ background-color: rgb(174,  
132, 158) }
```

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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