

# Converting Colors

XYZ(34.9714, 27.1136, 59.8940)

Have a look what the booklet for  
XYZ(34.9714, 27.1136, 59.8940)  
contains.

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# Color

**XYZ(34.9726, 27.1151,  
59.8904)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AD7ACB
RGB	173, 122, 203
RGB Percent	68%, 48%, 80%
CMY	0.3216, 0.5216, 0.2039
CMYK	0.15, 0.40, 0.00, 0.20
HSL	278°, 44%, 64%
HSV	278°, 40%, 80%
XYZ	34.9726, 27.1151, 59.8904
YIQ	146.4830, 4.3950, 36.0030

# Conversions

## Conversions Part 2

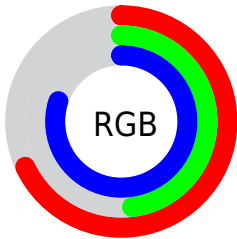
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 122, 203
Decimal	11369163
CIELab	59.08, 34.66, -34.42
CIELCh	59, 48.850, 315.204
Yxy	27.1151, 0.2867, 0.2223
Android (android.graphics.Color)	4289559243 (0xFFAD7ACB)
YUV	146.4830, 27.8629, 23.2554
Hunter-Lab	52.0722, 28.7575, -31.7414

# Details

The XYZ color **34.9726, 27.1151, 59.8904** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **37.8185, 50.7931, 26.2243**, and the grayscale version is **27.4085, 28.8359, 31.4023**.

A 20% lighter version of the original color is **66.0131, 54.7029, 101.6872**, and **15.2704, 10.6948, 29.2764** is the 20% darker color. If you saturate the color by 10%, you get **31.1197, 21.8077, 59.0695**, and if you desaturate by 10%, it is **39.4416, 33.5142, 60.8904**.

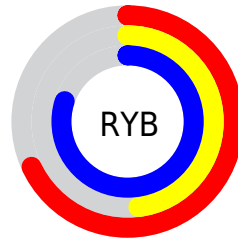
# Distribution



Red (68%)

Green (48%)

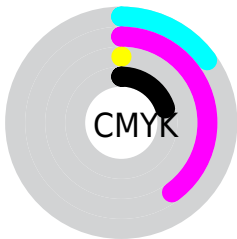
Blue (80%)



Red (68%)

Yellow (48%)

Blue (80%)

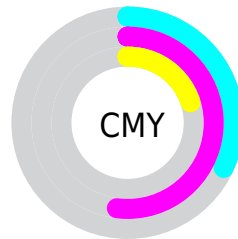


Cyan (15%)

Magenta (40%)

Yellow (0%)

Black (20%)



Cyan (32%)

Magenta (52%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9726, 27.1151, 59.8904 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 34.9726, 27.1151, 59.8904 by changing the saturation by 10% instead.





 34.9726, 27.1151,  
59.8904


 34.9726, 27.1151,  
59.8904


315.9575,  
288.2140, 441.9871

 23.8082, 17.6597,  
42.9056


 66.7776, 55.0685,  
106.2125

 15.3154, 10.7059,  
29.4802


 88.1489, 74.3353,  
136.3868

 9.1288, 5.8695,  
19.1957


 113.6533, 97.6413,  
171.7947

 4.8830, 2.7659,  
11.6335

143.6560,  
125.3710, 212.8548

 2.2129, 1.0108,  
6.3752

178.5224,  
157.9087, 259.9855

 0.7495, 0.0000,  
3.0021

218.6179,

 0.0000, 0.0000,

195.6388, 313.6054

1.0957

264.3078,  
238.9458, 374.1331

■ 0.0000, 0.0000,  
0.0000

■ 34.9726, 27.1151,  
59.8904

■ 34.9726, 27.1151,  
59.8904

■ 31.1197, 21.8077,  
59.0695

■ 39.4416, 33.5142,  
60.8904

■ 27.8457, 17.5224,  
58.4149

■ 44.5551, 41.0620,  
62.0778

■ 25.1138, 14.1868,  
57.9150

■ 50.3432, 49.8156,  
63.4624


■ 22.8809, 11.7173,  
57.5561

■ 56.8330, 59.8272,  
65.0527


■ 21.0964, 10.0150,  
57.3215


■ 64.0500, 71.1459,  
66.8571


 19.6675, 8.8970,  
57.1811

 72.0185, 83.8181,  
68.8831

 19.6539, 8.8867,  
57.1798

 77.7882, 91.9411,  
70.1469

 80.1928, 93.1807,  
70.2594

 82.7021, 94.4743,  
70.3769

# Harmonies

## Analogous

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



28.9556, 27.1151, 74.9492



34.9726, 27.1151, 59.8904



38.7827, 27.1151, 38.9086

# Triad

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



34.9726, 27.1151, 59.8904



28.8689, 27.1151, 7.5647



16.0707, 27.1151, 39.1855

# Complementary

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



34.9726, 27.1151, 59.8904



37.8185, 50.7931, 26.2243

# 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.



16.0551, 27.1151, 21.7841



34.9726, 27.1151, 59.8904



22.8310, 27.1151, 7.5895

# Square

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



34.9726, 27.1151, 59.8904



34.9006, 27.1151, 11.5900



18.3458, 27.1151, 11.6804



18.3927, 27.1151, 60.1604



# Rectangle

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



34.9726, 27.1151, 59.8904



39.2294, 27.1151, 26.5947



18.3458, 27.1151, 11.6804



15.8091, 27.1151, 32.6603

# Sweetspot

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



34.9735, 27.1162, 59.8910



82.0060, 79.9201, 105.7117



30.2059, 31.2493, 60.9401



17.2713, 16.6788, 22.5590



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.



34.9735, 27.1162, 59.8910



52.8665, 37.5385, 99.0670



41.2760, 30.4914, 54.4849



11.2691, 11.1880, 14.1359



12.6110, 5.7087, 36.3935



0.7326, 0.3368, 1.8813



# Inverse Universe

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



37.2565, 28.8836, 33.3182



57.6020, 41.1374, 46.9886



33.5102, 48.5011, 29.2296



11.3813, 11.2812, 12.5423



16.5263, 8.4211, 5.2244

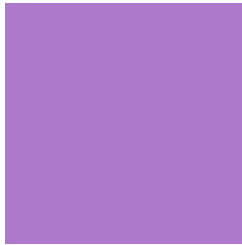


0.8890, 0.4490, 0.4612



# Previews

## White Background



This preview shows how the XYZ color 34.9726, 27.1151, 59.8904 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

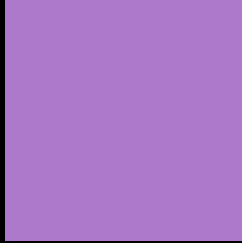
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.9726, 27.1151, 59.8904 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

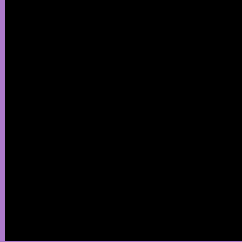
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 34.9726, 27.1151, 59.8904

## Background



This preview shows how black text looks on a background with the XYZ color 34.9726, 27.1151, 59.8904.



This preview shows how white text looks on a background with the XYZ color 34.9726, 27.1151,



# 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

34.9726, 27.1151, 59.8904

### Protanopia

29.1032, 27.4630, 70.0966

### Deuteranopia

28.0021, 27.3842, 57.8426



## Tritanopia

28.9458, 26.9870, 30.4715

# Trichromacy



## Original Color

34.9726, 27.1151, 59.8904

## Protanomaly

30.5511, 26.8134, 66.5161

## Deuteranomaly

29.9349, 26.8830, 58.2548

## Tritanomaly

30.8019, 26.9339, 39.6517

# Monochromacy



## Original Color

34.9726, 27.1151, 59.8904

## Achromatopsia

27.3213, 28.7441, 31.3023

## Achromatomaly

29.6310, 27.7493, 40.3536

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.9726, 27.1151, 59.8904 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(173, 122, 203)` looks like.

```
.text, #text, p{  
    color:rgb(173, 122, 203)  
}
```

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(173, 122, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 122, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 34.9726, 27.1151, 59.8904 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(173, 122, 203) }
```



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

```
.border{ border-color:rgb(173, 122, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 122, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 122, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 122, 203);  
box-shadow:4px 4px 4px 4px rgb(173, 122,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.9726, 27.1151, 59.8904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 122, 203) }
```

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

```
.background{ background-color: rgb(173,  
122, 203) }
```

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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