

# Converting Colors

XYZ(29.5805, 17.5964, 54.2711)

Have a look what the booklet for  
XYZ(29.5805, 17.5964, 54.2711)  
contains.

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# Color

**XYZ(29.5799, 17.6348,  
54.0694)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AD49C4
RGB	173, 73, 196
RGB Percent	68%, 29%, 77%
CMY	0.3216, 0.7137, 0.2314
CMYK	0.12, 0.63, 0.00, 0.23
HSL	289°, 51%, 53%
HSV	289°, 63%, 77%
XYZ	29.5799, 17.6348, 54.0694
YIQ	116.9220, 20.1170, 59.4530

# Conversions

## Conversions Part 2

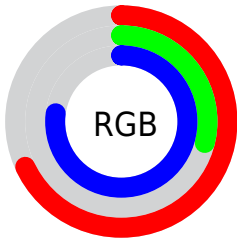
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	173, 73, 196
Decimal	11356612
CIE <sub>Lab</sub>	49.05, 58.45, -46.22
CIE <sub>LCh</sub>	49, 74.516, 321.662
Yxy	17.6348, 0.2920, 0.1741
Android (android.graphics.Color)	4289546692 (0xFFAD49C4)
YUV	116.9220, 38.9855, 49.1804
Hunter-Lab	41.9938, 52.2439, -46.9436

# Details

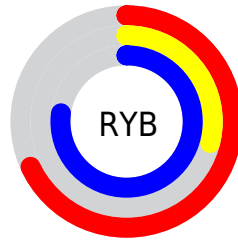
The XYZ color **29.5799, 17.6348, 54.0694** is a dark color, and the websafe version is hex **993399**. The color can be described as middle muted purple. A complement of this color would be **25.7669, 42.4481, 13.1392**, and the grayscale version is **16.7639, 17.6370, 19.2067**.

A 20% lighter version of the original color is **58.4038, 39.5191, 97.4782**, and **12.2837, 5.8652, 26.0758** is the 20% darker color. If you saturate the color by 10%, you get **27.6900, 15.0410, 53.6686**, and if you desaturate by 10%, it is **31.8991, 21.0529, 54.6072**.

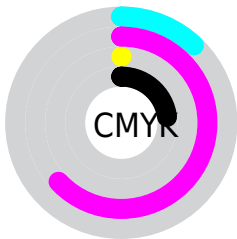
# Distribution



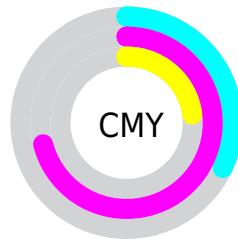
- Red (68%)
- Green (29%)
- Blue (77%)



- Red (68%)
- Yellow (29%)
- Blue (77%)



- Cyan (12%)
- Magenta (63%)
- Yellow (0%)
- Black (23%)




- Cyan (32%)
- Magenta (71%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5799, 17.6348, 54.0694 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 29.5799, 17.6348, 54.0694 by changing the saturation by 10% instead.




 29.5799, 17.6348,  
54.0694


 29.5799, 17.6348,  
54.0694


291.8864,  
238.8045, 419.5567

 19.6664, 10.6881,  
38.2636


 58.3884, 39.4140,  
97.6336


 12.2597, 5.8575,  
25.8839


 78.0141, 55.0154,  
126.2290


 6.9942, 2.7586,  
16.5118


 101.6079, 74.2704,  
159.9247

 3.5048, 1.0071,  
9.7288

 129.5353, 97.5635,  
199.1393

 1.4260, 0.0000,  
5.1163

 162.1614,  
125.2791, 244.2912

 0.2746, 0.0000,  
2.2557

199.8517,

 0.0000, 0.0000,

157.8015, 295.7991

0.7062

242.9716,  
195.5151, 354.0814

■ 0.0000, 0.0000,  
0.0000

■ 29.5799, 17.6348,  
54.0694

■ 29.5799, 17.6348,  
54.0694

■ 27.6900, 15.0410,  
53.6686

■ 31.8991, 21.0529,  
54.6072

■ 26.1874, 13.1900,  
53.3905

■ 34.6802, 25.3621,  
55.2924

■ 25.0253, 11.9872,  
53.2196

■ 37.9549, 30.6248,  
56.1356

■ 24.3316, 11.3924,  
53.1414

■ 41.7513, 36.8974,  
57.1462

■ 46.0956, 44.2316,  
58.3329

■ 51.0119, 52.6756,  
59.7036

■ 56.5230, 62.2747,  
61.2660

■ 62.6504, 73.0716,  
63.0271

■ 69.4144, 85.1069,  
64.9936

# Harmonies

## Analogous

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



22.1939, 17.6348, 81.2540



29.5799, 17.6348, 54.0694



33.7650, 17.6348, 25.3032

# Triad

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



29.5799, 17.6348, 54.0694



18.7749, 17.6348, 0.7579



7.1567, 17.6348, 37.0764

# Complementary

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



29.5799, 17.6348, 54.0694



25.7669, 42.4481, 13.1392

# 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.



6.7112, 17.6348, 14.1689



29.5799, 17.6348, 54.0694



12.2966, 17.6348, 1.0747

# Square

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



29.5799, 17.6348, 54.0694



26.4923, 17.6348, 2.1086



8.3127, 17.6348, 3.9011



9.7634, 17.6348, 67.5816



# Rectangle

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



29.5799, 17.6348, 54.0694



33.5508, 17.6348, 12.4576



8.3127, 17.6348, 3.9011



6.7846, 17.6348, 28.0228

# Sweetspot

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



29.5806, 17.6355, 54.0698



78.2391, 71.2100, 104.2290



17.0424, 14.0634, 54.0411



16.2759, 14.4523, 22.1817



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.



29.5806, 17.6355, 54.0698



49.1546, 25.9558, 97.0270



31.4147, 19.0081, 34.8603



10.3067, 10.1493, 12.7006



15.7020, 7.3551, 34.1487



0.7273, 0.3430, 1.4778



# Inverse Universe

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



27.2593, 17.3460, 12.9783



45.3360, 25.8093, 14.5252



25.2972, 42.0204, 21.5015



10.1484, 10.1080, 10.8722



14.8623, 7.6347, 1.9213



0.6660, 0.3394, 0.2084



# Previews

## White Background



This preview shows how the XYZ color 29.5799, 17.6348, 54.0694 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

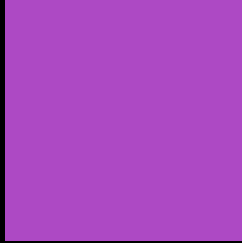
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.5799, 17.6348, 54.0694 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

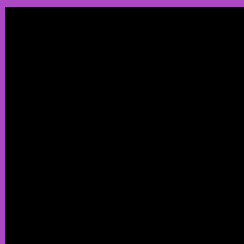
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 29.5799, 17.6348, 54.0694**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.5799, 17.6348, 54.0694.



This preview shows how white text looks on a background with the XYZ color 29.5799, 17.6348,



# 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

29.5799, 17.6348, 54.0694

### Protanopia

21.4656, 18.0997, 80.9595

### Deuteranopia

18.3400, 17.8493, 50.0556



## Tritanopia

21.8136, 17.5623, 16.1501

# Trichromacy



## Original Color

29.5799, 17.6348, 54.0694



## Protanomaly

20.9861, 15.7948, 70.3492



## Deuteranomaly

20.6132, 16.4485, 51.3787



## Tritanomaly

23.8334, 17.1757, 26.4852

# Monochromacy



## Original Color

29.5799, 17.6348, 54.0694



## Achromatopsia

16.9083, 17.7888, 19.3720



## Achromatomaly

20.1585, 16.7010, 29.3553

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.5799, 17.6348, 54.0694 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, 73, 196)` looks like.

```
.text, #text, p{  
    color:rgb(173, 73, 196)  
}
```

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, 73, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 73, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 29.5799, 17.6348, 54.0694 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, 73, 196) }
```



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

```
.border{ border-color:rgb(173, 73, 196) }
```

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

Here you see how a box with a 4 pixel rgb(173, 73, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 73, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 73, 196);  
box-shadow:4px 4px 4px 4px rgb(173, 73,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.5799, 17.6348, 54.0694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 73, 196) }
```

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

```
.background{ background-color: rgb(173, 73,  
196) }
```

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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