

# Converting Colors

XYZ(27.1263, 17.8631, 39.5543)

Have a look what the booklet for  
XYZ(27.1263, 17.8631, 39.5543)  
contains.

<b>XYZ(27.1263, 17.8631, 39.5543)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(27.1263, 17.8631,  
39.5543)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AB54A9
RGB	171, 84, 169
RGB Percent	67%, 33%, 66%
CMY	0.3294, 0.6706, 0.3373
CMYK	0.00, 0.51, 0.01, 0.33
HSL	301°, 34%, 50%
HSV	301°, 51%, 67%
XYZ	27.1263, 17.8631, 39.5543
YIQ	119.7030, 24.5670, 44.8790

# Conversions

## Conversions Part 2

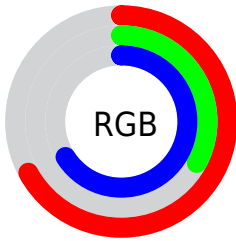
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 84, 169
Decimal	11228329
CIE <sub>Lab</sub>	49.33, 47.60, -30.07
CIE <sub>LCh</sub>	49, 56.304, 327.721
Yxy	17.8631, 0.3209, 0.2113
Android (android.graphics.Color)	4289418409 (0xFFAB54A9)
YUV	119.7030, 24.3034, 44.9875
Hunter-Lab	42.2648, 40.6012, -25.9024

# Details

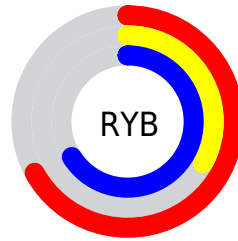
The XYZ color **27.1263, 17.8631, 39.5543** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.8995, 31.6832, 13.8717**, and the grayscale version is **17.6779, 18.5985, 20.2538**.

A 20% lighter version of the original color is **54.5312, 39.8215, 76.0464**, and **10.8448, 5.9539, 17.1006** is the 20% darker color. If you saturate the color by 10%, you get **25.9209, 15.5108, 38.9708**, and if you desaturate by 10%, it is **28.6571, 20.8650, 40.2471**.

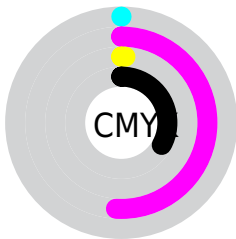
# Distribution



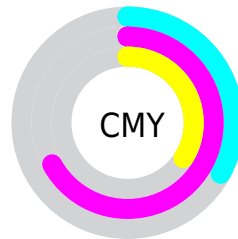
- Red (67%)
- Green (33%)
- Blue (66%)



- Red (67%)
- Yellow (33%)
- Blue (66%)



- Cyan (0%)
- Magenta (51%)
- Yellow (1%)
- Black (33%)




- Cyan (33%)
- Magenta (67%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1263, 17.8631, 39.5543 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 27.1263, 17.8631, 39.5543 by changing the saturation by 10% instead.





 27.1263, 17.8631,  
39.5543


 27.1263, 17.8631,  
39.5543


280.4245,  
240.0983, 359.7375


 17.8052, 10.8517,  
26.8801


 54.5049, 39.8039,  
75.7140

 10.9090, 5.9672,  
17.2515


 73.2931, 55.5022,  
100.0365


 6.0725, 2.8252,  
10.2501


 95.9678, 74.8648,  
129.0789

 2.9303, 1.0411,  
5.4574

 122.8942, 98.2763,  
163.2597

 1.1170, 0.0000,  
2.4546

 154.4377,  
126.1210, 202.9974

 0.0393, 0.0000,  
0.8160

190.9637,

 0.0000, 0.0000,

158.7833, 248.7106

0.0000

232.8375,  
196.6476, 300.8178

■ 27.1263, 17.8631,  
39.5543

■ 27.1263, 17.8631,  
39.5543

■ 25.9209, 15.5108,  
38.9708

■ 28.6571, 20.8650,  
40.2471

■ 25.0149, 13.7576,  
38.4875

■ 30.5329, 24.5573,  
41.0554

■ 24.3817, 12.5499,  
38.0956

■ 32.7741, 28.9801,  
41.9860

■ 23.9889, 11.8229,  
37.7845

■ 35.3989, 34.1701,  
43.0450

■ 23.7762, 11.4506,  
37.5496

■ 38.4243, 40.1611,  
44.2381

■ 41.8664, 46.9852,  
45.5706

■ 45.7403, 54.6726,  
47.0476

■ 50.0602, 63.2521,  
48.6739

■ 54.8400, 72.7511,  
50.4539

# Harmonies

## Analogous

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



22.1700, 17.8631, 58.3791



27.1263, 17.8631, 39.5543



29.3230, 17.8631, 20.6328

# Triad

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



27.1263, 17.8631, 39.5543



17.3865, 17.8631, 2.4390



9.4645, 17.8631, 36.4167

# Complementary

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



27.1263, 17.8631, 39.5543



19.8995, 31.6832, 13.8717

# 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.



8.6998, 17.8631, 18.3130



27.1263, 17.8631, 39.5543



12.6679, 17.8631, 3.3703

# Square

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



27.1263, 17.8631, 39.5543



23.0186, 17.8631, 3.7438



9.7415, 17.8631, 7.6616



12.0996, 17.8631, 55.9990



# Rectangle

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



27.1263, 17.8631, 39.5543



28.6443, 17.8631, 11.8542



9.7415, 17.8631, 7.6616



9.0077, 17.8631, 29.7472

# Sweetspot

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



27.1269, 17.8639, 39.5547



61.2465, 56.9424, 76.2288



14.3091, 11.2342, 39.9428



13.4450, 12.2768, 16.9132



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



27.1269, 17.8639, 39.5547



46.1996, 27.3458, 69.6804



23.7347, 16.5070, 21.6917



8.3290, 8.1449, 10.0434



17.9263, 8.6331, 28.3213



0.5011, 0.2411, 0.8007



# Inverse Universe

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



27.1269, 17.8639, 39.5547



46.1996, 27.3458, 69.6804



22.1789, 32.5949, 25.8748



8.3290, 8.1449, 10.0434



17.9263, 8.6331, 28.3213

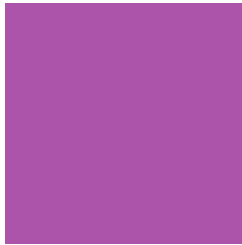


0.5011, 0.2411, 0.8007



# Previews

## White Background



This preview shows how the XYZ color 27.1263, 17.8631, 39.5543 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 27.1263, 17.8631, 39.5543 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

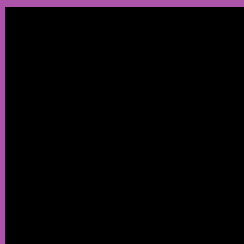
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 27.1263, 17.8631, 39.5543**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.1263, 17.8631, 39.5543.



This preview shows how white text looks on a background with the XYZ color 27.1263, 17.8631,



# 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

27.1263, 17.8631, 39.5543

### Protanopia

19.7274, 18.1329, 54.0900

### Deuteranopia

18.4498, 18.0187, 37.1559



## Tritanopia

22.2199, 17.7717, 16.1691

# Trichromacy



## Original Color

27.1263, 17.8631, 39.5543

## Protanomaly

21.0157, 17.1588, 48.6587

## Deuteranomaly

20.6439, 17.2064, 37.8304

## Tritanomaly

23.7579, 17.7241, 23.2880

# Monochromacy



## Original Color

27.1263, 17.8631, 39.5543

## Achromatopsia

17.8524, 18.7821, 20.4537

## Achromatomaly

20.4926, 17.8393, 26.4080

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.1263, 17.8631, 39.5543 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(171, 84, 169)` looks like.

```
.text, #text, p{  
    color:rgb(171, 84, 169)  
}
```

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(171, 84, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 84, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 27.1263, 17.8631, 39.5543 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(171, 84, 169) }
```



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

```
.border{ border-color:rgb(171, 84, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 84, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 84, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 84, 169);  
box-shadow:4px 4px 4px 4px rgb(171, 84,  
169) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.1263, 17.8631, 39.5543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 84, 169) }
```

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

```
.background{ background-color: rgb(171, 84,  
169) }
```

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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