

# Converting Colors

XYZ(26.0172, 17.4056, 38.6358)

Have a look what the booklet for  
XYZ(26.0172, 17.4056, 38.6358)  
contains.

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# Color

**XYZ(25.9494, 17.3940,  
38.5489)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A655A7
RGB	166, 85, 167
RGB Percent	65%, 33%, 65%
CMY	0.3490, 0.6667, 0.3451
CMYK	0.01, 0.49, 0.00, 0.35
HSL	299°, 33%, 49%
HSV	299°, 49%, 65%
XYZ	25.9494, 17.3940, 38.5489
YIQ	118.5670, 21.9540, 42.6740

# Conversions

## Conversions Part 2

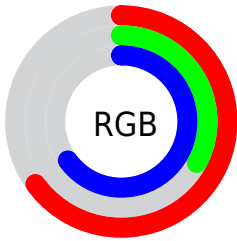
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 85, 167
Decimal	10900903
CIE <sub>Lab</sub>	48.75, 45.26, -29.84
CIE <sub>LCh</sub>	49, 54.212, 326.599
Yxy	17.3940, 0.3169, 0.2124
Android (android.graphics.Color)	4289090983 (0xFFA655A7)
YUV	118.5670, 23.8775, 41.5987
Hunter-Lab	41.7061, 38.0764, -25.6074

# Details

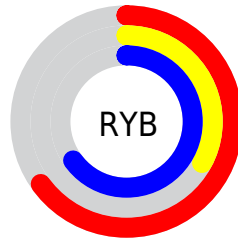
The XYZ color **25.9494, 17.3940, 38.5489** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.2967, 30.2722, 13.4212**, and the grayscale version is **17.3209, 18.2229, 19.8447**.

A 20% lighter version of the original color is **52.7047, 39.1389, 73.8840**, and **10.3205, 5.7703, 16.7895** is the 20% darker color. If you saturate the color by 10%, you get **24.7441, 15.0463, 38.1595**, and if you desaturate by 10%, it is **27.4662, 20.3638, 39.0424**.

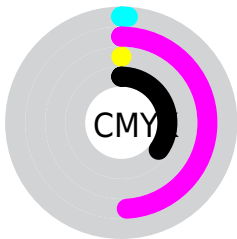
# Distribution



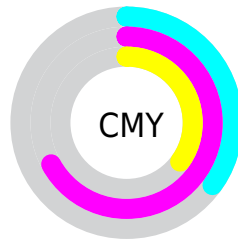
- Red (65%)
- Green (33%)
- Blue (65%)



- Red (65%)
- Yellow (33%)
- Blue (65%)



- Cyan (1%)
- Magenta (49%)
- Yellow (0%)
- Black (35%)




- Cyan (35%)
- Magenta (67%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.9494, 17.3940, 38.5489 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 25.9494, 17.3940, 38.5489 by changing the saturation by 10% instead.





 25.9494, 17.3940,  
38.5489

 25.9494, 17.3940,  
38.5489


274.7949,  
237.4328, 355.3373

 16.9183, 10.5158,  
26.1039


 52.6252, 39.0020,  
74.1614


 10.2712, 5.7423,  
16.6749


 71.0006, 54.5005,  
98.1660


 5.6428, 2.6890,  
9.8435


 93.2214, 73.6413,  
126.8608

 2.6677, 0.9716,  
5.1910

 119.6530, 96.8088,  
160.6643

 0.9806, 0.0000,  
2.2991

 150.6608,  
124.3872, 199.9952

 0.0000, 0.0000,  
0.7307

186.6102,

 0.0000, 0.0000,

156.7611, 245.2720

0.0000

227.8664,  
194.3148, 296.9132

■ 25.9494, 17.3940,  
38.5489

■ 25.9494, 17.3940,  
38.5489

■ 24.7441, 15.0463,  
38.1595

■ 27.4662, 20.3638,  
39.0424

■ 23.8263, 13.2740,  
37.8658

■ 29.3128, 23.9935,  
39.6457

■ 23.1717, 12.0277,  
37.6597

■ 31.5080, 28.3203,  
40.3652

■ 22.7506, 11.2487,  
37.5316

■ 34.0689, 33.3784,  
41.2065

■ 22.5050, 10.8202,  
37.4618

■ 37.0113, 39.1994,  
42.1750

■ 22.4848, 10.7856,  
37.4562

■ 40.3502, 45.8133,  
43.2756

■ 44.0997, 53.2482,  
44.5131

■ 48.2732, 61.5312,  
45.8919

■ 52.8836, 70.6878,  
47.4163

# Harmonies

## Analogous

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



21.2317, 17.3940, 55.8703



25.9494, 17.3940, 38.5489



28.1340, 17.3940, 20.6236

# Triad

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



25.9494, 17.3940, 38.5489



17.1106, 17.3940, 2.5910



9.3280, 17.3940, 34.1723

# Complementary

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



25.9494, 17.3940, 38.5489



19.2967, 30.2722, 13.4212

# 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.



8.6600, 17.3940, 17.3489



25.9494, 17.3940, 38.5489



12.5834, 17.3940, 3.4306

# Square

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



25.9494, 17.3940, 38.5489



22.4230, 17.3940, 3.9818



9.7237, 17.3940, 7.4493



11.7761, 17.3940, 52.5705



# Rectangle

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



25.9494, 17.3940, 38.5489



27.5896, 17.3940, 12.1004



9.7237, 17.3940, 7.4493



8.9123, 17.3940, 27.9643

# Sweetspot

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



25.9500, 17.3948, 38.5493



58.1053, 54.0294, 72.8415



14.0792, 11.4365, 38.0249



12.8014, 11.6931, 16.2344



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

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



25.9500, 17.3948, 38.5493



44.1337, 26.5955, 68.2826



23.0401, 16.2551, 22.1282



7.8327, 7.6619, 9.4844



17.2087, 8.2548, 28.6618



0.4214, 0.2023, 0.6975



# Inverse Universe

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



20.8651, 15.3851, 10.6748



33.9660, 22.5816, 12.3368



21.2439, 31.0405, 24.1520



7.5347, 7.5437, 7.8669



12.2045, 6.2905, 0.6227



0.2981, 0.1535, 0.0211



# Previews

## White Background



This preview shows how the XYZ color 25.9494, 17.3940, 38.5489 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

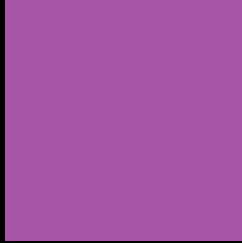
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.9494, 17.3940, 38.5489 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

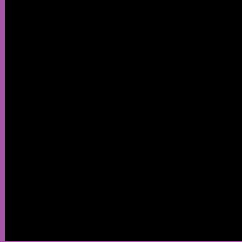
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 25.9494, 17.3940, 38.5489**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.9494, 17.3940, 38.5489.



This preview shows how white text looks on a background with the XYZ color 25.9494, 17.3940,



# 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

25.9494, 17.3940, 38.5489

### Protanopia

19.1676, 17.7275, 51.7017

### Deuteranopia

18.0191, 17.6368, 36.6370



## Tritanopia

21.2162, 17.2543, 16.1221

# Trichromacy



## Original Color

25.9494, 17.3940, 38.5489

## Protanomaly

20.2332, 16.6553, 46.4044

## Deuteranomaly

20.1086, 16.9409, 37.3320

## Tritanomaly

22.6631, 17.1675, 22.8881

# Monochromacy



## Original Color

25.9494, 17.3940, 38.5489

## Achromatopsia

17.5343, 18.4475, 20.0893

## Achromatomaly

19.8550, 17.5272, 25.6292

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.9494, 17.3940, 38.5489 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(166, 85, 167)` looks like.

```
.text, #text, p{  
    color:rgb(166, 85, 167)  
}
```

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(166, 85, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 85, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 25.9494, 17.3940, 38.5489 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(166, 85, 167) }
```



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

```
.border{ border-color:rgb(166, 85, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 85, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 85, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 85, 167);  
box-shadow:4px 4px 4px 4px rgb(166, 85,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.9494, 17.3940, 38.5489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 85, 167) }
```

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

```
.background{ background-color: rgb(166, 85,  
167) }
```

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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