

# Converting Colors

XYZ(27.4183, 18.8423, 40.5353)

Have a look what the booklet for  
XYZ(27.4183, 18.8423, 40.5353)  
contains.

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# Color

**XYZ(27.4540, 18.8575,  
40.7209)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A95BAB
RGB	169, 91, 171
RGB Percent	66%, 36%, 67%
CMY	0.3372, 0.6431, 0.3294
CMYK	0.01, 0.47, 0.00, 0.33
HSL	299°, 32%, 51%
HSV	299°, 47%, 67%
XYZ	27.4540, 18.8575, 40.7209
YIQ	123.4420, 20.8080, 41.4160

# Conversions

## Conversions Part 2

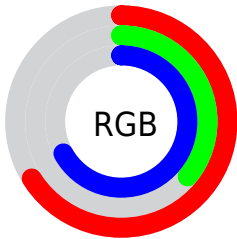
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 91, 171
Decimal	11099051
CIE <sub>Lab</sub>	50.52, 43.79, -29.41
CIE <sub>LCh</sub>	51, 52.748, 326.119
Yxy	18.8575, 0.3154, 0.2167
Android (android.graphics.Color)	4289289131 (0xFFA95BAB)
YUV	123.4420, 23.4461, 39.9544
Hunter-Lab	43.4252, 36.8559, -25.2000

# Details

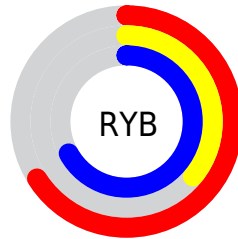
The XYZ color **27.4540, 18.8575, 40.7209** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **20.9660, 32.2087, 15.0103**, and the grayscale version is **18.8935, 19.8774, 21.6465**.

A 20% lighter version of the original color is **55.2024, 41.6613, 77.8050**, and **11.0990, 6.4704, 17.8035** is the 20% darker color. If you saturate the color by 10%, you get **26.0641, 16.2130, 40.2840**, and if you desaturate by 10%, it is **29.1786, 22.1699, 41.2696**.

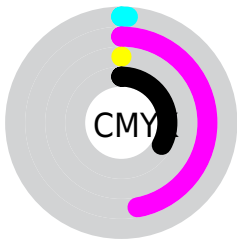
# Distribution



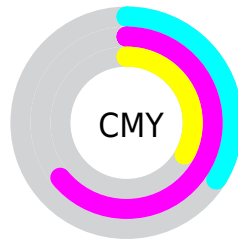
- Red (66%)
- Green (36%)
- Blue (67%)



- Red (66%)
- Yellow (36%)
- Blue (67%)



- Cyan (1%)
- Magenta (47%)
- Yellow (0%)
- Black (33%)



- Cyan (34%)
- Magenta (64%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4540, 18.8575, 40.7209 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 27.4540, 18.8575, 40.7209 by changing the saturation by 10% instead.



27.4540, 18.8575,  
40.7209

27.4540, 18.8575,  
40.7209

281.9763,  
245.6610, 364.7948

18.0528, 11.5674,  
27.7830

55.0263, 41.4932,  
77.5091

11.0878, 6.4498,  
17.9245

73.9281, 57.6075,  
102.1965

6.1937, 3.1205,  
10.7269

96.7276, 77.4320,  
131.6374

3.0050, 1.1950,  
5.7717

123.7900,  
101.3510, 166.2505

1.1564, 0.0576,  
2.6402

155.4807,  
129.7491, 206.4542

0.0715, 0.0000,  
0.9131

192.1651,

0.0000, 0.0000,

163.0105, 252.6672

0.0000

234.2085,  
201.5196, 305.3079

■ 27.4540, 18.8575,  
40.7209

■ 27.4540, 18.8575,  
40.7209

■ 26.0641, 16.2130,  
40.2840

■ 29.1786, 22.1699,  
41.2696

■ 24.9839, 14.1882,  
39.9501

■ 31.2567, 26.1893,  
41.9359

■ 24.1884, 12.7321,  
39.7110

■ 33.7079, 30.9546,  
42.7265

■ 23.6475, 11.7848,  
39.5566

■ 36.5501, 36.5013,  
43.6474

■ 23.3183, 11.2605,  
39.4728

■ 39.7998, 42.8625,  
44.7039

■ 23.2295, 11.1261,  
39.4515

■ 43.4726, 50.0695,  
45.9014

■ 47.5833, 58.1519,  
47.2448

■ 52.1459, 67.1378,  
48.7388

■ 57.1741, 77.0542,  
50.3878

# Harmonies

## Analogous

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



22.6406, 18.8575, 57.9198



27.4540, 18.8575, 40.7209



29.7152, 18.8575, 22.5103

# Triad

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



27.4540, 18.8575, 40.7209



18.6013, 18.8575, 3.2536



10.4280, 18.8575, 35.7004

# Complementary

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



27.4540, 18.8575, 40.7209



20.9660, 32.2087, 15.0103

# 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.



9.7548, 18.8575, 18.6743



27.4540, 18.8575, 40.7209



13.9118, 18.8575, 4.1540

# Square

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



27.4540, 18.8575, 40.7209



24.0228, 18.8575, 4.8504



10.9015, 18.8575, 8.4427



12.9552, 18.8575, 54.1756



# Rectangle

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



27.4540, 18.8575, 40.7209



29.2051, 18.8575, 13.6287



10.9015, 18.8575, 8.4427



10.0009, 18.8575, 29.4452

# Sweetspot

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



27.4546, 18.8583, 40.7213



61.5913, 57.8201, 76.9161



15.6390, 13.1116, 40.2348



13.5081, 12.4518, 17.0792



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.



27.4546, 18.8583, 40.7213



46.6332, 28.9498, 72.1319



24.8161, 17.8529, 24.5713



8.3170, 8.1377, 10.0851



17.5185, 8.3910, 29.7408



0.4934, 0.2365, 0.8276



# Inverse Universe

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



22.5120, 16.9312, 12.4382



36.7451, 25.1033, 15.1485



22.7962, 32.9177, 25.6904



8.0131, 8.0185, 8.3796



12.6812, 6.5350, 0.7010



0.3553, 0.1828, 0.0330



# Previews

## White Background



This preview shows how the XYZ color 27.4540, 18.8575, 40.7209 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

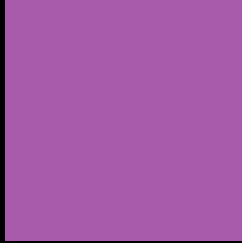
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 27.4540, 18.8575, 40.7209 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

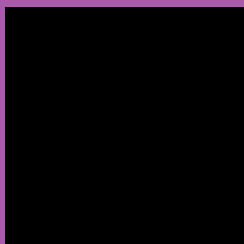
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 27.4540, 18.8575, 40.7209**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.4540, 18.8575, 40.7209.



This preview shows how white text looks on a background with the XYZ color 27.4540, 18.8575,



# 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

27.4540, 18.8575, 40.7209

### Protanopia

20.6297, 19.1272, 53.6436

### Deuteranopia

19.4236, 19.0110, 38.7221



## Tritanopia

22.8765, 18.9544, 17.7821

# Trichromacy



## Original Color

27.4540, 18.8575, 40.7209

## Protanomaly

21.9712, 18.2634, 48.8215

## Deuteranomaly

21.5898, 18.4316, 39.4655

## Tritanomaly

24.3079, 18.8071, 24.5393

# Monochromacy



## Original Color

27.4540, 18.8575, 40.7209

## Achromatopsia

18.8265, 19.8069, 21.5697

## Achromatomaly

21.2333, 18.8378, 27.3279

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.4540, 18.8575, 40.7209 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(169, 91, 171)` looks like.

```
.text, #text, p{  
    color:rgb(169, 91, 171)  
}
```

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(169, 91, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 91, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 27.4540, 18.8575, 40.7209 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(169, 91, 171) }
```



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

```
.border{ border-color:rgb(169, 91, 171) }
```

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

Here you see how a box with a 4 pixel rgb(169, 91, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 91, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 91, 171);  
box-shadow:4px 4px 4px 4px rgb(169, 91,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.4540, 18.8575, 40.7209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 91, 171) }
```

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

```
.background{ background-color: rgb(169, 91,  
171) }
```

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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