

# Converting Colors

XYZ(29.0701, 24.9796, 35.4594)

Have a look what the booklet for  
XYZ(29.0701, 24.9796, 35.4594)  
contains.

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# Color

**XYZ(29.1051, 24.9909,  
35.6375)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A67C9E
RGB	166, 124, 158
RGB Percent	65%, 49%, 62%
CMY	0.3490, 0.5137, 0.3804
CMYK	0.00, 0.25, 0.05, 0.35
HSL	311°, 19%, 57%
HSV	311°, 25%, 65%
XYZ	29.1051, 24.9909, 35.6375
YIQ	140.4340, 14.1180, 19.4780

# Conversions

## Conversions Part 2

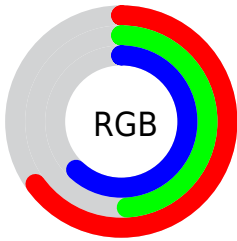
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	166, 124, 158
Decimal	10910878
CIE Lab	57.07, 22.07, -11.85
CIE LCh	57, 25.053, 331.761
Yxy	24.9909, 0.3244, 0.2785
Android (android.graphics.Color)	4289100958 (0xFFA67C9E)
YUV	140.4340, 8.6600, 22.4214
Hunter-Lab	49.9909, 16.4400, -7.2730

# Details

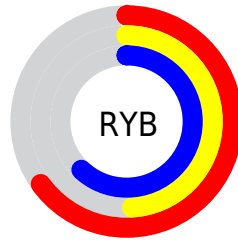
The XYZ color **29.1051, 24.9909, 35.6375** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **26.1143, 33.2242, 26.8678**, and the grayscale version is **25.0602, 26.3653, 28.7118**.

A 20% lighter version of the original color is **57.8566, 51.7780, 69.8956**, and **11.9800, 9.6044, 15.1323** is the 20% darker color. If you saturate the color by 10%, you get **26.9288, 21.0680, 33.5866**, and if you desaturate by 10%, it is **31.6401, 29.6192, 37.8431**.

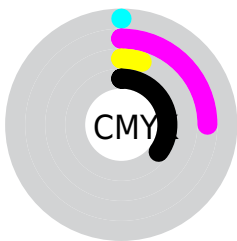
# Distribution



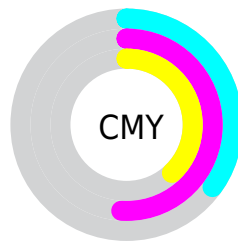
- Red (65%)
- Green (49%)
- Blue (62%)



- Red (65%)
- Yellow (49%)
- Blue (62%)



- Cyan (0%)
- Magenta (25%)
- Yellow (5%)
- Black (35%)




- Cyan (35%)
- Magenta (51%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1051, 24.9909, 35.6375 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 29.1051, 24.9909, 35.6375 by changing the saturation by 10% instead.





 29.1051, 24.9909,  
35.6375


 29.1051, 24.9909,  
35.6375


289.6958,  
277.7926, 342.3627


 19.3050, 16.0703,  
23.8669


 57.6404, 51.6425,  
69.6349

 11.9962, 9.5739,  
15.0236


 77.1064, 70.1422,  
92.6988

 6.8133, 5.1174,  
8.6892


 100.5250, 92.6037,  
120.3642

 3.3909, 2.3163,  
4.4450

128.2617,  
119.4115, 153.0497

 1.3637, 0.7823,  
1.8725

160.6818,  
150.9499, 191.1737

 0.2301, 0.0000,  
0.4751

198.1506,

 0.0000, 0.0000,

187.6033, 235.1548

0.0000

241.0334,  
229.7560, 285.4117

■ 29.1051, 24.9909,  
35.6375

■ 29.1051, 24.9909,  
35.6375

■ 26.9288, 21.0680,  
33.5866

■ 31.6401, 29.6192,  
37.8431

■ 25.0914, 17.8121,  
31.6826

■ 34.5479, 34.9822,  
40.2075

■ 23.5746, 15.1863,  
29.9196

■ 37.8445, 41.1116,  
42.7366

■ 22.3573, 13.1486,  
28.2902

■ 41.5446, 48.0363,  
45.4355

■ 21.4159, 11.6519,  
26.7863

■ 45.6616, 55.7835,  
48.3090

■ 20.7233, 10.6420,  
25.3986

■ 50.2088, 64.3793,  
51.3616

■ 20.2452, 10.0502,  
24.1153

■ 55.1985, 73.8486,  
54.5978

■ 20.0557, 9.8389,  
23.5352

■ 60.0644, 83.0584,  
57.8289

■ 60.3981, 83.1919,  
59.5859

# Harmonies

## Analogous

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



26.8636, 24.9909, 43.4795



29.1051, 24.9909, 35.6375



29.8814, 24.9909, 26.7150

# Triad

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



29.1051, 24.9909, 35.6375



23.5793, 24.9909, 13.9960



19.2521, 24.9909, 36.6819

# Complementary

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



29.1051, 24.9909, 35.6375



26.1143, 33.2242, 26.8678

# 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.



18.5258, 24.9909, 27.7128



29.1051, 24.9909, 35.6375



20.8925, 24.9909, 15.6101

# Square

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



29.1051, 24.9909, 35.6375



26.5374, 24.9909, 15.2682



19.1010, 24.9909, 20.2297



21.1707, 24.9909, 44.1649



# Rectangle

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



29.1051, 24.9909, 35.6375



29.4162, 24.9909, 21.6251



19.1010, 24.9909, 20.2297



18.8679, 24.9909, 33.6841

# Sweetspot

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



29.1059, 24.9920, 35.6380



61.1260, 60.5760, 71.7192



23.5605, 22.0511, 39.0914



13.5025, 13.2301, 15.9072



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.



29.1059, 24.9920, 35.6380



50.6674, 41.4578, 62.6871



27.4713, 24.3382, 27.0308



7.7797, 7.6417, 9.1572



15.5682, 7.6360, 18.3356



0.3941, 0.1919, 0.5269



# Inverse Universe

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



29.1059, 24.9920, 35.6380



50.6674, 41.4578, 62.6871



27.6743, 33.8482, 35.0828



7.7797, 7.6417, 9.1572



15.5682, 7.6360, 18.3356



0.3941, 0.1919, 0.5269



# Previews

## White Background



This preview shows how the XYZ color 29.1051, 24.9909, 35.6375 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

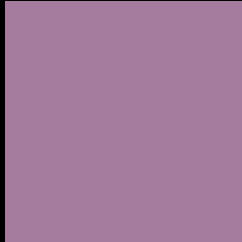
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.1051, 24.9909, 35.6375 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

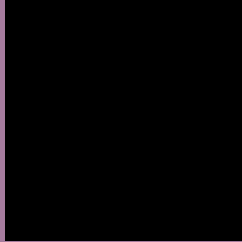
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 29.1051, 24.9909, 35.6375**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.1051, 24.9909, 35.6375.



This preview shows how white text looks on a background with the XYZ color 29.1051, 24.9909,

35.6375.

# 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

29.1051, 24.9909, 35.6375

### Protanopia

25.0472, 25.1868, 39.6178

### Deuteranopia

25.6812, 25.2013, 34.9633



## Tritanopia

27.4109, 25.0599, 27.4371

# Trichromacy



## Original Color

29.1051, 24.9909, 35.6375

## Protanomaly

26.3637, 25.0762, 38.1010

## Deuteranomaly

26.8309, 24.9789, 35.3056

## Tritanomaly

28.0100, 25.1156, 30.1596

# Monochromacy



## Original Color

29.1051, 24.9909, 35.6375

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

26.1860, 25.5463, 31.1545

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.1051, 24.9909, 35.6375 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, 124, 158)` looks like.

```
.text, #text, p{  
    color:rgb(166, 124, 158)  
}
```

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, 124, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 124, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 29.1051, 24.9909, 35.6375 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, 124, 158) }
```



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

```
.border{ border-color:rgb(166, 124, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 124, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 124, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 124, 158);  
box-shadow:4px 4px 4px 4px rgb(166, 124,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.1051, 24.9909, 35.6375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 124, 158) }
```

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

```
.background{ background-color: rgb(166,  
124, 158) }
```

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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