

# Converting Colors

XYZ(26.9060, 20.1049, 39.6551)

Have a look what the booklet for  
XYZ(26.9060, 20.1049, 39.6551)  
contains.

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# Color

**XYZ(26.9235, 20.1164,  
39.5096)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A366A8
RGB	163, 102, 168
RGB Percent	64%, 40%, 66%
CMY	0.3608, 0.6000, 0.3412
CMYK	0.03, 0.39, 0.00, 0.34
HSL	295°, 27%, 53%
HSV	295°, 39%, 66%
XYZ	26.9235, 20.1164, 39.5096
YIQ	127.7630, 15.1700, 33.4580

# Conversions

## Conversions Part 2

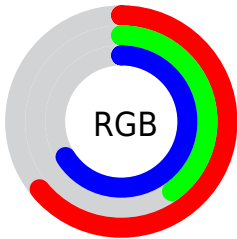
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	163, 102, 168
Decimal	10708648
CIE Lab	51.97, 35.41, -25.46
CIE LCh	52, 43.612, 324.275
Yxy	20.1164, 0.3111, 0.2324
Android (android.graphics.Color)	4288898728 (0xFFA366A8)
YUV	127.7630, 19.8368, 30.9028
Hunter-Lab	44.8513, 28.6608, -20.8328

# Details

The XYZ color **26.9235, 20.1164, 39.5096** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.4649, 32.0908, 17.5814**, and the grayscale version is **20.3662, 21.4268, 23.3338**.

A 20% lighter version of the original color is **54.0883, 43.4990, 75.3574**, and **10.8559, 7.1222, 17.3255** is the 20% darker color. If you saturate the color by 10%, you get **25.1777, 17.0093, 39.0022**, and if you desaturate by 10%, it is **29.0078, 23.8958, 40.1295**.

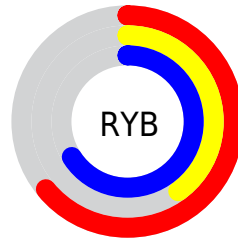
# Distribution



Red (64%)

Green (40%)

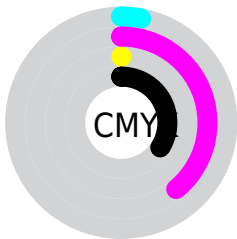
Blue (66%)



Red (64%)

Yellow (40%)

Blue (66%)

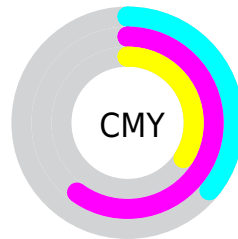


Cyan (3%)

Magenta (39%)

Yellow (0%)

Black (34%)



Cyan (36%)

Magenta (60%)

Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.9235, 20.1164, 39.5096 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 26.9235, 20.1164, 39.5096 by changing the saturation by 10% instead.




 26.9235, 20.1164,  
39.5096


 26.9235, 20.1164,  
39.5096


279.4608,  
252.5446, 359.5427

 17.6521, 12.4797,  
26.8455


 54.1818, 43.6123,  
75.6451


 10.7987, 7.0712,  
17.2258


 72.8995, 60.2402,  
99.9535

 5.9979, 3.5067,  
10.2320


 95.4965, 80.6340,  
128.9806

 2.8845, 1.4016,  
5.4454

 122.3384,  
105.1780, 163.1446

 1.0930, 0.2179,  
2.4476

153.7904,  
134.2567, 202.8644

 0.0192, 0.0000,  
0.8122

190.2179,

 0.0000, 0.0000,

168.2544, 248.5583

0.0000

231.9862,  
207.5556, 300.6449

■ 26.9235, 20.1164,  
39.5096

■ 26.9235, 20.1164,  
39.5096

■ 25.1777, 17.0093,  
39.0022

■ 29.0078, 23.8958,  
40.1295

■ 23.7481, 14.5311,  
38.5992

■ 31.4474, 28.3821,  
40.8669

■ 22.6128, 12.6376,  
38.2935

■ 34.2600, 33.6107,  
41.7279

■ 21.7462, 11.2778,  
38.0767

■ 37.4618, 39.6139,  
42.7179

■ 21.1184, 10.3916,  
37.9388

■ 41.0681, 46.4220,  
43.8419

■ 20.6688, 9.8581,  
37.8595

■ 45.0932, 54.0637,  
45.1047

■ 20.6382, 9.8229,  
37.8543

■ 49.5507, 62.5664,  
46.5110

■ 54.4537, 71.9560,  
48.0650

■ 59.8147, 82.2577,  
49.7708

# Harmonies

## Analogous

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



22.8497, 20.1164, 52.6132



26.9235, 20.1164, 39.5096



28.9368, 20.1164, 24.4344

# Triad

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



26.9235, 20.1164, 39.5096



19.9845, 20.1164, 5.4691



12.3448, 20.1164, 33.5735

# Complementary

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



26.9235, 20.1164, 39.5096



22.4649, 32.0908, 17.5814

# 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.



11.8202, 20.1164, 19.5534



26.9235, 20.1164, 39.5096



15.8201, 20.1164, 6.3186

# Square

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



26.9235, 20.1164, 39.5096



24.5517, 20.1164, 7.4446



12.9920, 20.1164, 10.5026



14.5551, 20.1164, 48.3581



# Rectangle

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



26.9235, 20.1164, 39.5096



28.6463, 20.1164, 16.4099



12.9920, 20.1164, 10.5026



11.9814, 20.1164, 28.5034

# Sweetspot

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



26.9242, 20.1173, 39.5100



60.5986, 58.0619, 75.2383



17.8582, 16.2728, 39.2458



13.0686, 12.3956, 16.3559



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.



26.9242, 20.1173, 39.5100



46.1028, 31.5956, 70.8938



25.6710, 19.7366, 27.4619



7.7850, 7.6373, 9.4822



15.6042, 7.4277, 28.5867



0.3956, 0.1889, 0.6963



# Inverse Universe

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



23.5543, 18.8899, 16.3154



39.2160, 29.1065, 22.6322



23.4786, 32.4288, 25.9663



7.5533, 7.5512, 7.9650



12.2563, 6.3112, 0.8950

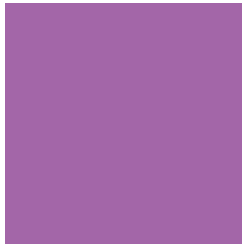


0.3052, 0.1563, 0.0585



# Previews

## White Background



This preview shows how the XYZ color 26.9235, 20.1164, 39.5096 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

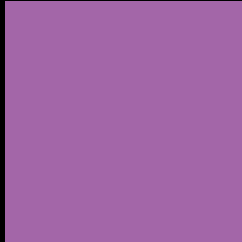
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.9235, 20.1164, 39.5096 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

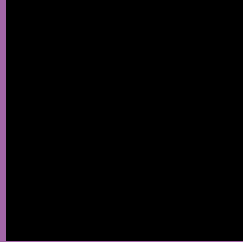
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 26.9235, 20.1164, 39.5096**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.9235, 20.1164, 39.5096.



This preview shows how white text looks on a background with the XYZ color 26.9235, 20.1164,



# 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

26.9235, 20.1164, 39.5096

### Protanopia

21.3202, 20.3228, 48.1464

### Deuteranopia

20.5998, 20.1768, 37.9307



## Tritanopia

23.1500, 20.1369, 20.7558

# Trichromacy



## Original Color

26.9235, 20.1164, 39.5096

## Protanomaly

22.6241, 19.8358, 44.7558

## Deuteranomaly

22.4380, 19.8836, 38.2526

## Tritanomaly

24.2481, 19.9310, 26.6138

# Monochromacy



## Original Color

26.9235, 20.1164, 39.5096

## Achromatopsia

20.5175, 21.5861, 23.5072

## Achromatomaly

22.5393, 20.8395, 28.8211

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.9235, 20.1164, 39.5096 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(163, 102, 168)` looks like.

```
.text, #text, p{  
    color:rgb(163, 102, 168)  
}
```

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(163, 102, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 102, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 26.9235, 20.1164, 39.5096 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(163, 102, 168) }
```



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

```
.border{ border-color:rgb(163, 102, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 102, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 102, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 102, 168);  
box-shadow:4px 4px 4px 4px rgb(163, 102,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.9235, 20.1164, 39.5096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 102, 168) }
```

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

```
.background{ background-color: rgb(163,  
102, 168) }
```

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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