

# Converting Colors

XYZ(30.1443, 26.2412, 33.4951)

Have a look what the booklet for  
XYZ(30.1443, 26.2412, 33.4951)  
contains.

<b>XYZ(30.2635, 26.3962, 33.6369)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(30.2635, 26.3962,  
33.6369)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AB8099
RGB	171, 128, 153
RGB Percent	67%, 50%, 60%
CMY	0.3294, 0.4980, 0.4000
CMYK	0.00, 0.25, 0.11, 0.33
HSL	325°, 20%, 59%
HSV	325°, 25%, 67%
XYZ	30.2635, 26.3962, 33.6369
YIQ	143.7070, 17.6030, 16.8910

# Conversions

## Conversions Part 2

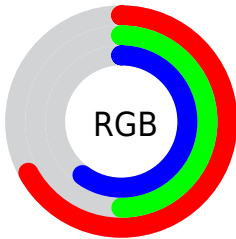
Format	Color
<a href="#">RYB</a>	<a href="#">171, 128, 153</a>
Decimal	<a href="#">11239577</a>
CIELab	<a href="#">58.41, 20.69, -6.91</a>
CIElCh	<a href="#">58, 21.811, 341.539</a>
Yxy	<a href="#">26.3962, 0.3352, 0.2923</a>
Android (android.graphics.Color)	<a href="#">4289429657</a> (0xFFAB8099)
YUV	<a href="#">143.7070, 4.5814, 23.9360</a>
Hunter-Lab	<a href="#">51.3772, 15.2344, -2.8534</a>

# Details

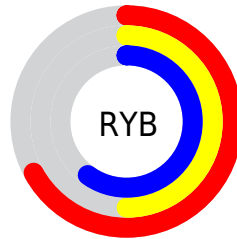
The XYZ color **30.2635, 26.3962, 33.6369** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.6544, 35.7910, 32.5939**, and the grayscale version is **26.3693, 27.7426, 30.2117**.

A 20% lighter version of the original color is **59.4649, 53.8836, 66.2979**, and **12.5939, 10.2596, 13.8869** is the 20% darker color. If you saturate the color by 10%, you get **27.6447, 22.0764, 29.9339**, and if you desaturate by 10%, it is **33.2952, 31.4843, 37.6531**.

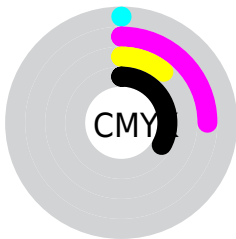
# Distribution



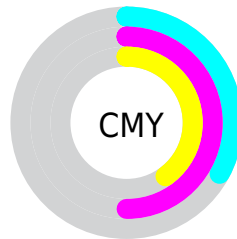
- Red (67%)
- Green (50%)
- Blue (60%)



- Red (67%)
- Yellow (50%)
- Blue (60%)



- Cyan (0%)
- Magenta (25%)
- Yellow (11%)
- Black (33%)



- Cyan (33%)
- Magenta (50%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2635, 26.3962, 33.6369 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 30.2635, 26.3962, 33.6369 by changing the saturation by 10% instead.





 30.2635, 26.3962,  
33.6369


 30.2635, 26.3962,  
33.6369

295.0186,  
284.7216, 333.2296


 20.1877, 17.1203,  
22.3397


 59.4624, 53.9134,  
66.4960

 12.6406, 10.3203,  
13.9060


 79.3163, 72.9235,  
88.8951

 7.2569, 5.6118,  
7.9173


 103.1602, 95.9471,  
115.8318

 3.6710, 2.6105,  
3.9551

131.3596,  
123.3686, 147.7247

 1.5177, 0.9320,  
1.6007

164.2798,  
155.5724, 184.9924

 0.3379, 0.0000,  
0.2913

202.2861,

 0.0000, 0.0000,

192.9429, 228.0534

0.0000

245.7439,  
235.8645, 277.3263

■ 30.2635, 26.3962,  
33.6369

■ 30.2635, 26.3962,  
33.6369

■ 27.6447, 22.0764,  
29.9339

■ 33.2952, 31.4843,  
37.6531

■ 25.4171, 18.4835,  
26.5331

■ 36.7556, 37.3725,  
41.9900

■ 23.5603, 15.5774,  
23.4247

■ 40.6625, 44.0950,  
46.6566

■ 22.0512, 13.3129,  
20.5978

■ 45.0319, 51.6829,  
51.6611

■ 20.8638, 11.6391,  
18.0406

■ 49.8790, 60.1659,  
57.0113

■ 19.9682, 10.4975,  
15.7396

■ 55.2185, 69.5721,  
62.7149

■ 19.3275, 9.8153,  
13.6789

■ 61.0642, 79.9284,  
68.7789

■ 19.0667, 9.5668,  
12.7500

■ 64.2213, 84.8446,  
74.1412

■ 65.1350, 85.2101,  
78.9527

# Harmonies

## Analogous

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



28.6382, 26.3962, 41.1680



30.2635, 26.3962, 33.6369



30.4451, 26.3962, 25.9074

# Triad

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



30.2635, 26.3962, 33.6369



24.0788, 26.3962, 16.6385



21.4495, 26.3962, 39.5983

# Complementary

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



30.2635, 26.3962, 33.6369



28.6544, 35.7910, 32.5939

# 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.



20.4007, 26.3962, 31.7740



30.2635, 26.3962, 33.6369



21.8455, 26.3962, 19.1062

# Square

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



30.2635, 26.3962, 33.6369



26.7446, 26.3962, 16.9587



20.5404, 26.3962, 24.3448



23.5027, 26.3962, 45.0074



# Rectangle

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



30.2635, 26.3962, 33.6369



29.7086, 26.3962, 21.7352



20.5404, 26.3962, 24.3448



20.9746, 26.3962, 37.1104

# Sweetspot

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



30.2643, 26.3974, 33.6375



63.8867, 63.6167, 72.8120



26.9102, 24.4834, 41.8358



14.0397, 13.8335, 15.9792



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.



30.2643, 26.3974, 33.6375



51.5850, 42.9414, 56.6014



28.6511, 25.7521, 25.1426



8.1931, 8.0905, 9.3277



14.4001, 7.2226, 9.7522



0.4271, 0.2115, 0.4108



# Inverse Universe

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



30.2643, 26.3974, 33.6375



51.5850, 42.9414, 56.6014



30.4795, 36.5210, 42.2047



8.1931, 8.0905, 9.3277



14.4001, 7.2226, 9.7522

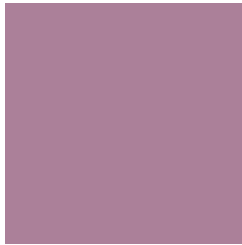


0.4271, 0.2115, 0.4108



# Previews

## White Background



This preview shows how the XYZ color 30.2635, 26.3962, 33.6369 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

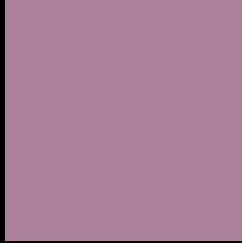
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.2635, 26.3962, 33.6369 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

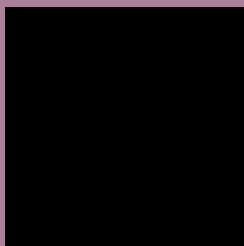
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 30.2635, 26.3962, 33.6369**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.2635, 26.3962, 33.6369.



This preview shows how white text looks on a background with the XYZ color 30.2635, 26.3962,



# 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

30.2635, 26.3962, 33.6369

### Protanopia

26.0398, 26.6126, 37.0220

### Deuteranopia

27.1093, 26.6097, 32.9855



## Tritanopia

29.0784, 26.2937, 28.3535

# Trichromacy



## Original Color

30.2635, 26.3962, 33.6369

## Protanomaly

27.2844, 26.4322, 35.5622

## Deuteranomaly

28.2931, 26.5863, 33.3462

## Tritanomaly

29.5387, 26.2909, 30.3059

# Monochromacy



## Original Color

30.2635, 26.3962, 33.6369

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

27.6814, 27.1536, 31.3860

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.2635, 26.3962, 33.6369 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, 128, 153)` looks like.

```
.text, #text, p{  
    color:rgb(171, 128, 153)  
}
```

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, 128, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 128, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 30.2635, 26.3962, 33.6369 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, 128, 153) }
```



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

```
.border{ border-color:rgb(171, 128, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 128, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 128, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 128, 153);  
box-shadow:4px 4px 4px 4px rgb(171, 128,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.2635, 26.3962, 33.6369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 128, 153) }
```

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

```
.background{ background-color: rgb(171,  
128, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor