

# Converting Colors

XYZ(30.9672, 33.3981, 40.7706)

Have a look what the booklet for  
XYZ(30.9672, 33.3981, 40.7706)  
contains.

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# Color

**XYZ(30.9639, 33.3179,  
40.8754)**

# Conversions

Conversions Part 1	
Format	Color
Hex	929EA6
RGB	146, 158, 166
RGB Percent	57%, 62%, 65%
CMY	0.4274, 0.3804, 0.3490
CMYK	0.12, 0.05, 0.00, 0.35
HSL	204°, 10%, 61%
HSV	204°, 12%, 65%
XYZ	30.9639, 33.3179, 40.8754
YIQ	155.3240, -9.7200, -0.0560

# Conversions

## Conversions Part 2

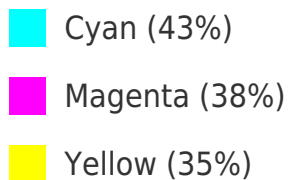
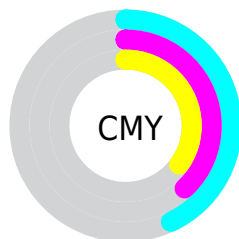
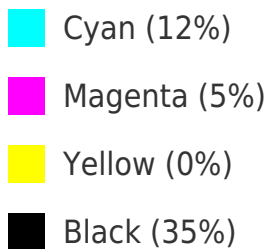
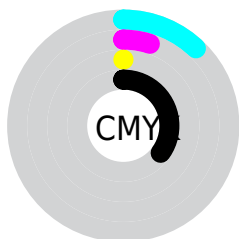
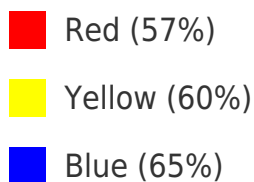
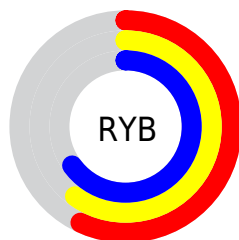
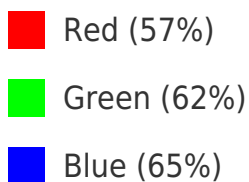
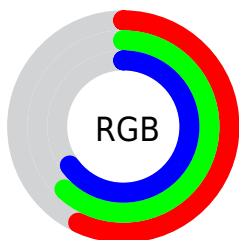
Format	Color
<a href="#">RYB</a>	<a href="#">146, 154, 166</a>
Decimal	<a href="#">9608870</a>
CIELab	<a href="#">64.42, -2.59, -5.63</a>
CIELCh	<a href="#">64, 6.192, 245.306</a>
Yxy	<a href="#">33.3179, 0.2945, 0.3168</a>
Android (android.graphics.Color)	<a href="#">4287798950</a> (0xFF929EA6)
YUV	<a href="#">155.3240, 5.2633, -8.1771</a>
Hunter-Lab	<a href="#">57.7217, -5.2593, -1.5809</a>

# Details

The XYZ color **30.9639, 33.3179, 40.8754** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.4700, 33.2935, 31.9098**, and the grayscale version is **31.2805, 32.9096, 35.8385**.

A 20% lighter version of the original color is **60.6648, 65.0883, 77.7725**, and **13.0143, 14.1632, 17.9674** is the 20% darker color. If you saturate the color by 10%, you get **27.1229, 29.7028, 40.3806**, and if you desaturate by 10%, it is **35.2965, 37.2790, 41.4121**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9639, 33.3179, 40.8754 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 30.9639, 33.3179, 40.8754 by changing the saturation by 10% instead.





 30.9639, 33.3179,  
40.8754

 30.9639, 33.3179,  
40.8754

298.2018,  
317.0798, 365.4608

 20.7231, 22.3701,  
27.9028


 60.5595, 64.8715,  
77.7463

 13.0330, 14.1291,  
18.0140


 80.6449, 86.2461,  
102.4817

 7.5284, 8.2105,  
10.7905

104.7425,  
111.8651, 131.9751

 3.8440, 4.2299,  
5.8137

133.2178,  
142.1129, 166.6450

 1.6142, 1.8030,  
2.6652

166.4360,  
177.3739, 206.9100

 0.4017, 0.4890,  
0.9258


204.7625,


 0.0000, 0.0000,


218.0324, 253.1886


0.0000


248.5626,  
264.4729, 305.8993


 30.9639, 33.3179,  
40.8754


 30.9639, 33.3179,  
40.8754

 27.1229, 29.7028,  
40.3806


 35.2965, 37.2790,  
41.4121


 23.7513, 26.4183,  
39.9243


 40.1360, 41.5927,  
41.9897


 20.8294, 23.4534,  
39.5060

 45.5007, 46.2707,  
42.6099

 18.3347, 20.7953,  
39.1244

 51.4068, 51.3228,  
43.2737

 16.2429, 18.4298,  
38.7781

 57.8702, 56.7582,  
43.9822

■ 14.5269, 16.3413,  
38.4654

■ 64.9057, 62.5861,  
44.7363

■ 13.1557, 14.5124,  
38.1847

■ 69.8281, 67.4233,  
45.4106

■ 12.0931, 12.9226,  
37.9338

■ 71.4445, 70.6562,  
45.9494

■ 11.4037, 11.7946,  
37.7524

■ 73.1291, 74.0253,  
46.5109

# Harmonies

## Analogous

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



30.3027, 33.3179, 39.1599



30.9639, 33.3179, 40.8754



31.8249, 33.3179, 41.3359

# Triad

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



30.9639, 33.3179, 40.8754



33.3879, 33.3179, 35.8299



30.6968, 33.3179, 32.4536

# Complementary

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



30.9639, 33.3179, 40.8754



32.4700, 33.2935, 31.9098

# 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.



31.5110, 33.3179, 31.6497



30.9639, 33.3179, 40.8754



33.0730, 33.3179, 33.5402

# Square

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



30.9639, 33.3179, 40.8754



33.2349, 33.3179, 38.3463



32.3820, 33.3179, 32.0381



30.1505, 33.3179, 34.2845



# Rectangle

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



30.9639, 33.3179, 40.8754



32.3987, 33.3179, 40.8516



32.3820, 33.3179, 32.0381



30.9477, 33.3179, 32.0583

# Sweetspot

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



30.9649, 33.3193, 40.8761



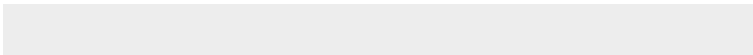
62.3923, 66.1492, 74.9549



31.2959, 35.7060, 35.6696



13.8294, 14.6823, 16.7572



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.



30.9649, 33.3193, 40.8761



54.5795, 58.9655, 73.9801



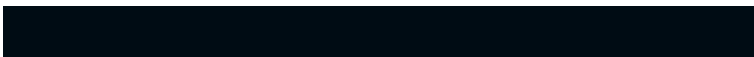
29.3800, 30.1494, 40.3478



7.4921, 8.0211, 9.5717



8.8895, 9.2392, 29.2903



0.2643, 0.3208, 0.7286



# Inverse Universe

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



32.1771, 31.1342, 36.6629



57.1584, 54.3914, 65.0004



34.1306, 36.6147, 32.4633



7.7130, 7.6150, 8.8057



13.9876, 7.0038, 10.0122

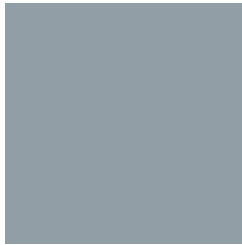


0.3646, 0.1801, 0.3712



# Previews

## White Background



This preview shows how the XYZ color 30.9639, 33.3179, 40.8754 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

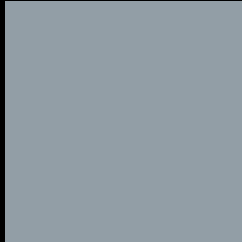
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.9639, 33.3179, 40.8754 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

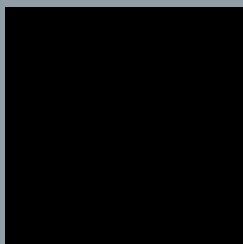
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

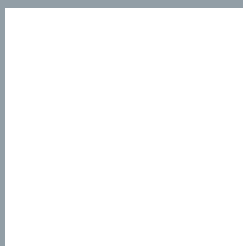
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 30.9639, 33.3179, 40.8754**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.9639, 33.3179, 40.8754.



This preview shows how white text looks on a background with the XYZ color 30.9639, 33.3179,



# 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

30.9639, 33.3179, 40.8754

### Protanopia

32.1325, 33.1909, 39.8349

### Deuteranopia

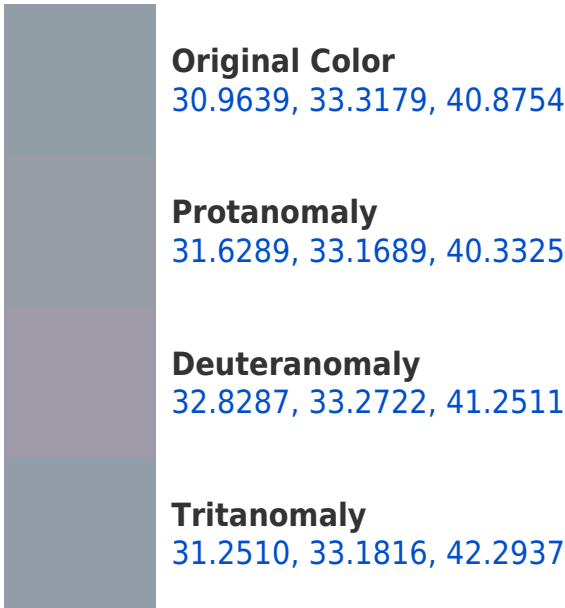
33.9292, 33.3535, 41.2088



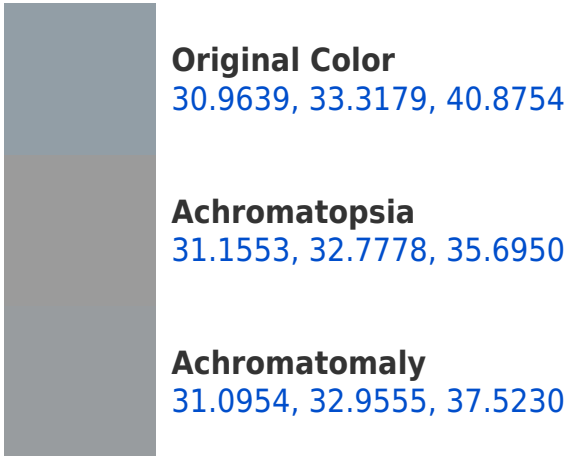
## Tritanopia

31.3453, 33.2193, 42.7901

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.9639, 33.3179, 40.8754 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(146, 158, 166) looks like.

```
.text, #text, p{  
    color:rgb(146, 158, 166)  
}
```

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(146, 158, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 158, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 30.9639, 33.3179, 40.8754 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(146, 158, 166) }
```



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

```
.border{ border-color:rgb(146, 158, 166) }
```

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

Here you see how a box with a 4 pixel rgb(146, 158, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 158, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 158, 166);  
box-shadow:4px 4px 4px 4px rgb(146, 158,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.9639, 33.3179, 40.8754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 158, 166) }
```

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

```
.background{ background-color: rgb(146,  
158, 166) }
```

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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