

# Converting Colors

XYZ(30.8486, 32.6903, 38.9172)

Have a look what the booklet for  
XYZ(30.8486, 32.6903, 38.9172)  
contains.

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# Color

**XYZ(30.9877, 32.8696,  
38.8937)**

# Conversions

## Conversions Part 1

Format	Color
Hex	969CA2
RGB	150, 156, 162
RGB Percent	59%, 61%, 64%
CMY	0.4118, 0.3882, 0.3647
CMYK	0.07, 0.04, 0.00, 0.36
HSL	210°, 6%, 61%
HSV	210°, 7%, 64%
XYZ	30.9877, 32.8696, 38.8937
YIQ	154.8900, -5.5020, 0.5940

# Conversions

## Conversions Part 2

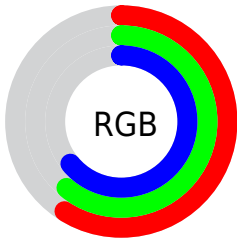
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 154, 162
Decimal	9870498
CIELab	64.06, -0.94, -3.88
CIELCh	64, 3.992, 256.422
Yxy	32.8696, 0.3016, 0.3199
Android (android.graphics.Color)	4288060578 (0xFF969CA2)
YUV	154.8900, 3.5052, -4.2885
Hunter-Lab	57.3320, -3.8526, -0.0896

# Details

The XYZ color **30.9877, 32.8696, 38.8937** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.2938, 33.6600, 33.6496**, and the grayscale version is **31.0946, 32.7139, 35.6255**.

A 20% lighter version of the original color is **60.4728, 63.9403, 74.8001**, and **13.0116, 13.8816, 16.7455** is the 20% darker color. If you saturate the color by 10%, you get **26.8969, 28.8114, 38.3265**, and if you desaturate by 10%, it is **35.5832, 37.3242, 39.5118**.

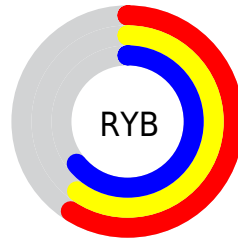
# Distribution



Red (59%)

Green (61%)

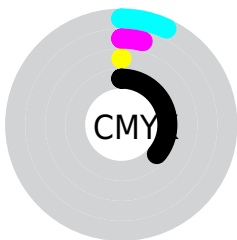
Blue (64%)



Red (59%)

Yellow (60%)

Blue (64%)

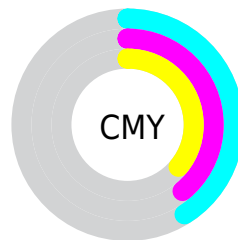


Cyan (7%)

Magenta (4%)

Yellow (0%)

Black (36%)



Cyan (41%)

Magenta (39%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9877, 32.8696, 38.8937 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 30.9877, 32.8696, 38.8937 by changing the saturation by 10% instead.



■ 30.9877, 32.8696,  
38.8937

■ 30.9877, 32.8696,  
38.8937

298.3095,  
315.0617, 356.8508

■ 20.7413, 22.0266,  
26.3698

■ 60.5967, 64.1719,  
74.6945

■ 13.0464, 13.8764,  
16.8723

■ 80.6899, 85.3999,  
98.8084

■ 7.5377, 8.0348,  
9.9825

104.7962,  
110.8584, 127.6229

■ 3.8499, 4.1172,  
5.2819

133.2807,  
140.9318, 161.5563

■ 1.6176, 1.7393,  
2.3520

166.5090,  
176.0044, 201.0273

■ 0.4038, 0.4489,  
0.7601

204.8463,

■ 0.0000, 0.0000,

216.4607, 246.4543

0.0000

248.6581,  
262.6850, 298.2560

■ 30.9877, 32.8696,  
38.8937

■ 30.9877, 32.8696,  
38.8937

■ 26.8969, 28.8114,  
38.3265

■ 35.5832, 37.3242,  
39.5118

■ 23.2892, 25.1332,  
37.8067

■ 40.6980, 42.1827,  
40.1800

■ 20.1461, 21.8237,  
37.3335

■ 46.3498, 47.4574,  
40.9003

■ 17.4461, 18.8690,  
36.9055

■ 52.5544, 53.1589,  
41.6738

■ 15.1663, 16.2546,  
36.5211

■ 59.3270, 59.2975,  
42.5017

■ 13.2815, 13.9643,  
36.1783

■ 66.6823, 65.8829,  
43.3851

■ 11.7634, 11.9806,  
35.8755

■ 71.4754, 71.2960,  
44.1773

■ 10.5793, 10.2835,  
35.6103

■ 73.5590, 75.4633,  
44.8719

■ 9.6779, 8.8430,  
35.3798

■ 75.7457, 79.8367,  
45.6008

# Harmonies

## Analogous

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



30.5000, 32.8696, 38.0866



30.9877, 32.8696, 38.8937



31.5491, 32.8696, 38.8515

# Triad

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



30.9877, 32.8696, 38.8937



32.2932, 32.8696, 34.9186



30.4626, 32.8696, 33.6911

# Complementary

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



30.9877, 32.8696, 38.8937



32.2938, 33.6600, 33.6496

# 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.



30.9360, 32.8696, 32.8926



30.9877, 32.8696, 38.8937



31.9950, 32.8696, 33.5865

# Square

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



30.9877, 32.8696, 38.8937



32.3075, 32.8696, 36.5234



31.4968, 32.8696, 32.8548



30.1994, 32.8696, 35.0653



# Rectangle

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



30.9877, 32.8696, 38.8937



31.8898, 32.8696, 38.3468



31.4968, 32.8696, 32.8548



30.6022, 32.8696, 33.3483

# Sweetspot

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



30.9887, 32.8710, 38.8944



60.6202, 63.9250, 71.1999



31.4823, 34.7188, 36.4064



13.6369, 14.3785, 15.9941



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.9887, 32.8710, 38.8944



54.8814, 58.3230, 70.4210



30.0380, 30.9697, 38.5775



6.9795, 7.4179, 8.9670



7.5012, 6.7818, 27.8434



0.2049, 0.2370, 0.6008



# Inverse Universe

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



31.8081, 31.8950, 35.9340



56.7086, 56.1795, 63.8127



33.2910, 35.6542, 33.9819



7.2146, 7.1423, 8.1165



12.9317, 6.5287, 6.8311



0.2956, 0.1467, 0.2691



# Previews

## White Background



This preview shows how the XYZ color 30.9877, 32.8696, 38.8937 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 30.9877, 32.8696, 38.8937 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

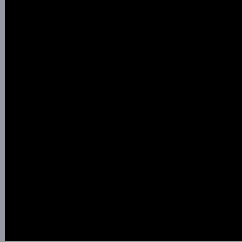
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 30.9877, 32.8696, 38.8937**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.9877, 32.8696, 38.8937.



This preview shows how white text looks on a background with the XYZ color 30.9877, 32.8696,



# 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

30.9877, 32.8696, 38.8937

### Protanopia

31.6989, 32.7523, 38.3693

### Deuteranopia

33.4034, 32.8846, 39.2371



## Tritanopia

31.4589, 32.8120, 41.2345

# Trichromacy



## Original Color

30.9877, 32.8696, 38.8937

## Protanomaly

31.4808, 32.8859, 38.4066

## Deuteranomaly

32.4993, 32.9004, 39.2878

## Tritanomaly

31.2754, 32.7386, 40.2681

# Monochromacy



## Original Color

30.9877, 32.8696, 38.8937

## Achromatopsia

31.1553, 32.7778, 35.6950

## Achromatomaly

31.0298, 32.6836, 37.0209

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.9877, 32.8696, 38.8937 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(150, 156, 162)` looks like.

```
.text, #text, p{  
    color:rgb(150, 156, 162)  
}
```

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(150, 156, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 156, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 30.9877, 32.8696, 38.8937 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(150, 156, 162) }
```



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

```
.border{ border-color:rgb(150, 156, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 156, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 156, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 156, 162);  
box-shadow:4px 4px 4px 4px rgb(150, 156,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.9877, 32.8696, 38.8937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 156, 162) }
```

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

```
.background{ background-color: rgb(150,  
156, 162) }
```

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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