

Converting Colors

XYZ(30.7606, 33.6936, 32.2717)

Have a look what the booklet for
XYZ(30.7606, 33.6936, 32.2717)
contains.

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Color

**XYZ(30.7233, 33.6439,
32.0688)**

Conversions

Conversions Part 1

Format	Color
Hex	999F92
RGB	153, 159, 146
RGB Percent	60%, 62%, 57%
CMY	0.4000, 0.3765, 0.4274
CMYK	0.04, 0.00, 0.08, 0.38
HSL	88°, 6%, 60%
HSV	88°, 8%, 62%
XYZ	30.7233, 33.6439, 32.0688
YIQ	155.7240, 0.5970, -5.3150

Conversions

Conversions Part 2

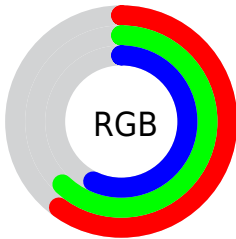
Format	Color
RYB	146, 159, 152
Decimal	10067858
CIELab	64.68, -4.61, 6.03
CIELCh	65, 7.592, 127.362
Yxy	33.6439, 0.3186, 0.3489
Android (android.graphics.Color)	4288257938 (0xFF999F92)
YUV	155.7240, -4.7939, -2.3889
Hunter-Lab	58.0034, -6.9578, 7.8222

Details

The XYZ color **30.7233, 33.6439, 32.0688** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.4872, 29.7373, 36.9884**, and the grayscale version is **31.4982, 33.1386, 36.0879**.

A 20% lighter version of the original color is **60.2040, 65.5287, 64.1188**, and **12.9534, 14.3944, 13.1620** is the 20% darker color. If you saturate the color by 10%, you get **28.2285, 32.4919, 25.9384**, and if you desaturate by 10%, it is **33.4773, 34.9116, 39.1108**.

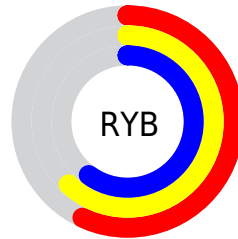
Distribution



Red (60%)

Green (62%)

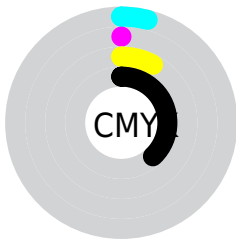
Blue (57%)



Red (57%)

Yellow (62%)

Blue (60%)

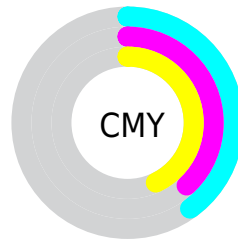


Cyan (4%)

Magenta (0%)

Yellow (8%)

Black (38%)



Cyan (40%)

Magenta (38%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7233, 33.6439, 32.0688 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 30.7233, 33.6439, 32.0688 by changing the saturation by 10% instead.

■ 30.7233, 33.6439,
32.0688

■ 30.7233, 33.6439,
32.0688

297.1112,
318.5413, 325.9349

■ 20.5390, 22.6202,
21.1488

■ 60.1830, 65.3795,
64.0181

■ 12.8980, 14.3133,
13.0405

■ 80.1891, 86.8602,
85.8845

■ 7.4349, 8.3389,
7.3254

104.1999,
112.5953, 112.2367

■ 3.7843, 4.3126,
3.5849

132.5807,
142.9693, 143.4934

■ 1.5808, 1.8499,
1.4005

165.6969,
178.3664, 180.0730

■ 0.3799, 0.5180,
0.1421

203.9138,

■ 0.0000, 0.0000,

219.1712, 222.3941

0.0000

247.5968,
265.7681, 270.8752

■ 30.7233, 33.6439,
32.0688

■ 30.7233, 33.6439,
32.0688

■ 28.2285, 32.4919,
25.9384

■ 33.4773, 34.9116,
39.1108

■ 25.9815, 31.4476,
20.6801

■ 36.4958, 36.2941,
47.0973

■ 23.9742, 30.5086,
16.2549

■ 39.7876, 37.7960,
56.0623

■ 22.1968, 29.6710,
12.6198

■ 43.3599, 39.4206,
66.0373

■ 20.6388, 28.9302,
9.7281

■ 47.2200, 41.1707,
77.0526

■ 19.2886, 28.2814,
7.5281

■ 51.3746, 43.0493,
89.1372

■ 18.1335, 27.7194,
5.9614

■ 55.4571, 44.9099,
100.3533

■ 17.1587, 27.2381,
4.9602

■ 57.5221, 45.9744,
100.4499

■ 16.3388, 26.8269,
4.4002

■ 59.6833, 47.0886,
100.5511

Harmonies

Analogous

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



31.7099, 33.6439, 30.9999



30.7233, 33.6439, 32.0688



30.0832, 33.6439, 34.3719

Triad

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



30.7233, 33.6439, 32.0688



31.1781, 33.6439, 42.4521



34.1000, 33.6439, 35.8693

Complementary

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



30.7233, 33.6439, 32.0688



29.4872, 29.7373, 36.9884

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.



33.9498, 33.6439, 38.9901



30.7233, 33.6439, 32.0688



32.2466, 33.6439, 42.9091

Square

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



30.7233, 33.6439, 32.0688



30.3416, 33.6439, 40.3944



33.2654, 33.6439, 41.6098



33.6713, 33.6439, 33.1117

Rectangle

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



30.7233, 33.6439, 32.0688



29.9306, 33.6439, 36.3571



33.2654, 33.6439, 41.6098



34.1157, 33.6439, 36.9093

Sweetspot

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



30.7242, 33.6454, 32.0695



57.9927, 61.6204, 64.9750



30.6916, 31.8553, 31.7257



13.0878, 13.8984, 14.6829



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



30.7242, 33.6454, 32.0695



54.0853, 59.8208, 55.0918



29.5574, 33.0438, 32.0149



6.8746, 7.5680, 7.0841



12.8426, 21.1573, 3.4069



0.2782, 0.4033, 0.0632

Inverse Universe

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



29.4872, 29.7373, 36.9884



51.3616, 51.2162, 65.9221



30.7077, 30.3665, 37.0455



6.5612, 6.5778, 8.3305



7.1848, 3.1329, 26.1333



0.1768, 0.0809, 0.4695

Previews

White Background



This preview shows how the XYZ color 30.7233, 33.6439, 32.0688 looks on a white background.

Color Contrast Check

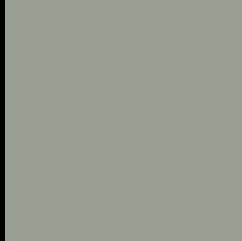
Large Text (above 18pt) WCAG AA × Fail

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 30.7233, 33.6439, 32.0688 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 30.7233, 33.6439, 32.0688

Background



This preview shows how black text looks on a background with the XYZ color 30.7233, 33.6439, 32.0688.



This preview shows how white text looks on a background with the XYZ color 30.7233, 33.6439,

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

30.7233, 33.6439, 32.0688

Protanopia

31.8228, 33.4719, 31.1690

Deuteranopia

34.0911, 33.3853, 32.6642



Tritanopia

32.6667, 33.6720, 41.8234

Trichromacy



Original Color

30.7233, 33.6439, 32.0688

Protanomaly

31.4659, 33.5292, 31.6014

Deuteranomaly

32.7584, 33.4333, 32.3305

Tritanomaly

31.9197, 33.6206, 38.0648

Monochromacy



Original Color

30.7233, 33.6439, 32.0688

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.2420, 33.3495, 34.4962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7233, 33.6439, 32.0688 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(153, 159, 146)` looks like.

```
.text, #text, p{  
    color:rgb(153, 159, 146)  
}
```

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(153, 159, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 159, 146) }
```

Border

The CSS property to change the border of an element to XYZ 30.7233, 33.6439, 32.0688 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(153, 159, 146) }
```


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

```
.border{ border-color:rgb(153, 159, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 159, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 159, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 159, 146);  
box-shadow:4px 4px 4px 4px rgb(153, 159,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7233, 33.6439, 32.0688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 159, 146) }
```

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

```
.background{ background-color: rgb(153,  
159, 146) }
```

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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