

# Converting Colors

XYZ(30.5621, 32.8615, 33.4334)

Have a look what the booklet for  
XYZ(30.5621, 32.8615, 33.4334)  
contains.

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# Color

**XYZ(30.5304, 32.7512,  
33.5667)**

# Conversions

## Conversions Part 1

Format	Color
Hex	999C96
RGB	153, 156, 150
RGB Percent	60%, 61%, 59%
CMY	0.4000, 0.3882, 0.4118
CMYK	0.02, 0.00, 0.04, 0.39
HSL	90°, 3%, 60%
HSV	90°, 4%, 61%
XYZ	30.5304, 32.7512, 33.5667
YIQ	154.4190, 0.1380, -2.5020

# Conversions

## Conversions Part 2

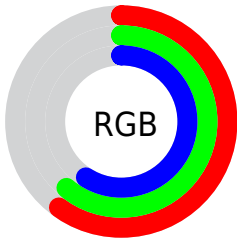
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 156, 153
Decimal	10067094
CIELab	63.96, -2.22, 2.75
CIELCh	64, 3.539, 128.931
Yxy	32.7512, 0.3152, 0.3382
Android (android.graphics.Color)	4288257174 (0xFF999C96)
YUV	154.4190, -2.1786, -1.2445
Hunter-Lab	57.2287, -4.9238, 5.2843

# Details

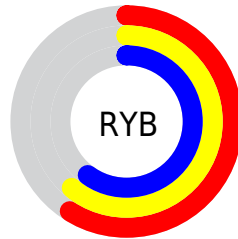
The XYZ color **30.5304, 32.7512, 33.5667** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.0451, 30.9862, 35.8514**, and the grayscale version is **30.9093, 32.5190, 35.4132**.

A 20% lighter version of the original color is **59.6778, 63.7182, 66.2802**, and **12.7832, 13.8288, 13.7999** is the 20% darker color. If you saturate the color by 10%, you get **27.9322, 31.5484, 27.3184**, and if you desaturate by 10%, it is **33.3940, 34.0734, 40.7019**.

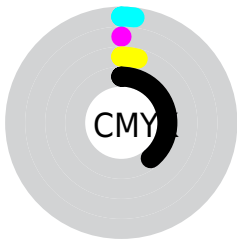
# Distribution



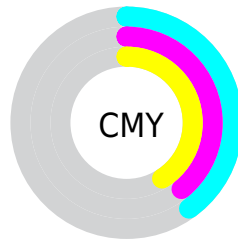
- Red (60%)
- Green (61%)
- Blue (59%)



- Red (59%)
- Yellow (61%)
- Blue (60%)



- Cyan (2%)
- Magenta (0%)
- Yellow (4%)
- Black (39%)



- Cyan (40%)
- Magenta (39%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5304, 32.7512, 33.5667 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 30.5304, 32.7512, 33.5667 by changing the saturation by 10% instead.



■ 30.5304, 32.7512,  
33.5667

■ 30.5304, 32.7512,  
33.5667

296.2347,  
314.5271, 332.9056

■ 20.3916, 21.9359,  
22.2863

■ 59.8809, 63.9869,  
66.3855

■ 12.7899, 13.8098,  
13.8671

■ 79.8232, 85.1761,  
88.7609

■ 7.3600, 7.9885,  
7.8906

103.7641,  
110.5921, 115.6717

■ 3.7366, 4.0876,  
3.9382

132.0690,  
140.6192, 147.5364

■ 1.5542, 1.7227,  
1.5915

165.1031,  
175.6419, 184.7736

■ 0.3623, 0.4383,  
0.2848

203.2319,

■ 0.0000, 0.0000,

216.0445, 227.8019

0.0000

246.8206,  
262.2114, 277.0397

■ 30.5304, 32.7512,  
33.5667

■ 30.5304, 32.7512,  
33.5667

■ 27.9322, 31.5484,  
27.3184

■ 33.3940, 34.0734,  
40.7019

■ 25.5884, 30.4571,  
21.9202

■ 36.5283, 35.5142,  
48.7545

■ 23.4909, 29.4751,  
17.3359

■ 39.9418, 37.0782,  
57.7563

■ 21.6303, 28.5984,  
13.5259

■ 43.6418, 38.7686,  
67.7369

■ 19.9965, 27.8225,  
10.4472

■ 47.6352, 40.5882,  
78.7247

■ 18.5785, 27.1431,  
8.0527

■ 51.9289, 42.5401,  
90.7467

■ 17.3641, 26.5548,  
6.2899

■ 55.8451, 44.3532,  
100.2254

■ 16.3396, 26.0520,  
5.0983

■ 58.0881, 45.5095,  
100.3304

■ 15.4892, 25.6280,  
4.4059

■ 60.4404, 46.7222,  
100.4405

# Harmonies

## Analogous

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



30.9804, 32.7512, 33.0160



30.5304, 32.7512, 33.5667



30.2428, 32.7512, 34.6824

# Triad

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



30.5304, 32.7512, 33.5667



30.7856, 32.7512, 38.2848



32.0859, 32.7512, 35.2359

# Complementary

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



30.5304, 32.7512, 33.5667



30.0451, 30.9862, 35.8514

# 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.



32.0324, 32.7512, 36.6568



30.5304, 32.7512, 33.5667



31.2781, 32.7512, 38.4426

# Square

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



30.5304, 32.7512, 33.5667



30.3891, 32.7512, 37.4140



31.7354, 32.7512, 37.8396



31.8809, 32.7512, 33.9626



# Rectangle

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



30.5304, 32.7512, 33.5667



30.1802, 32.7512, 35.6093



31.7354, 32.7512, 37.8396



32.0976, 32.7512, 35.7118

# Sweetspot

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



30.5313, 32.7526, 33.5674



56.8719, 60.1418, 64.4633



30.6077, 32.0536, 33.4285



12.5212, 13.2370, 14.2018



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694



# Same Dimension

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



30.5313, 32.7526, 33.5674



54.8342, 59.2000, 59.4579



29.9721, 32.4643, 33.5412



7.0806, 7.6621, 7.6387



12.4186, 20.9388, 3.3871



0.2708, 0.3995, 0.0628



# Inverse Universe

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



30.0451, 30.9862, 35.8514



53.6735, 54.9829, 64.9106



30.6186, 31.2818, 35.8783



6.9172, 7.0684, 8.4064



7.5725, 3.3328, 26.1514



0.1842, 0.0847, 0.4699



# Previews

## White Background



This preview shows how the XYZ color 30.5304, 32.7512, 33.5667 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

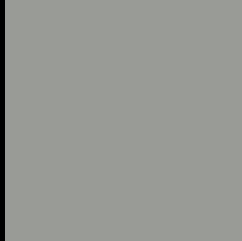
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.5304, 32.7512, 33.5667 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

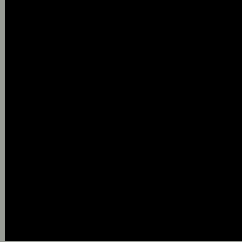
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

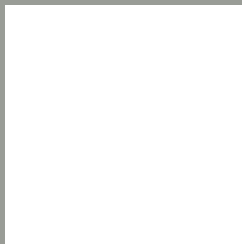
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 30.5304, 32.7512, 33.5667**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.5304, 32.7512, 33.5667.



This preview shows how white text looks on a background with the XYZ color 30.5304, 32.7512,



# 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

30.5304, 32.7512, 33.5667

### Protanopia

31.2785, 32.6521, 33.0877

### Deuteranopia

33.2868, 32.7050, 33.8364



## Tritanopia

31.9561, 32.8329, 40.7295

# Trichromacy



## Original Color

30.5304, 32.7512, 33.5667

## Protanomaly

31.0508, 32.7807, 33.1245

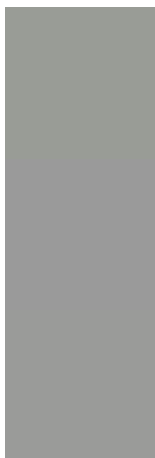
## Deuteranomaly

32.1240, 32.5834, 33.8743

## Tritanomaly

31.3929, 32.8508, 37.9440

# Monochromacy



## Original Color

30.5304, 32.7512, 33.5667

## Achromatopsia

30.7148, 32.3143, 35.1903

## Achromatomaly

30.7975, 32.6126, 34.8087

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.5304, 32.7512, 33.5667 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, 156, 150)` looks like.

```
.text, #text, p{  
    color:rgb(153, 156, 150)  
}
```

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, 156, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 156, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 30.5304, 32.7512, 33.5667 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, 156, 150) }
```



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

```
.border{ border-color:rgb(153, 156, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 156, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 156, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 156, 150);  
box-shadow:4px 4px 4px 4px rgb(153, 156,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.5304, 32.7512, 33.5667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 156, 150) }
```

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

```
.background{ background-color: rgb(153,  
156, 150) }
```

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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