

# Converting Colors

XYZ(34.8015, 33.1838, 31.6888)

Have a look what the booklet for  
XYZ(34.8015, 33.1838, 31.6888)  
contains.

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# Color

**XYZ(34.9918, 33.3940,  
31.7955)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B59592
RGB	181, 149, 146
RGB Percent	71%, 58%, 57%
CMY	0.2902, 0.4157, 0.4274
CMYK	0.00, 0.18, 0.19, 0.29
HSL	5°, 19%, 64%
HSV	5°, 19%, 71%
XYZ	34.9918, 33.3940, 31.7955
YIQ	158.2260, 20.0350, 5.8510

# Conversions

## Conversions Part 2

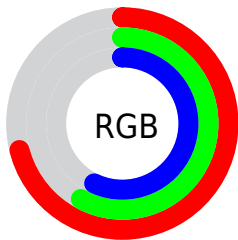
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 149, 146
Decimal	11900306
CIELab	64.48, 11.46, 6.07
CIELCh	64, 12.971, 27.895
Yxy	33.3940, 0.3493, 0.3333
Android (android.graphics.Color)	4290090386 (0xFFB59592)
YUV	158.2260, -6.0274, 19.9728
Hunter-Lab	57.7875, 6.9580, 7.8291

# Details

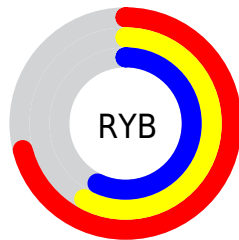
The XYZ color **34.9918, 33.3940, 31.7955** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **36.1145, 41.2868, 49.7820**, and the grayscale version is **32.6229, 34.3218, 37.3764**.

A 20% lighter version of the original color is **66.7063, 64.8865, 63.6521**, and **15.3811, 14.1691, 12.9906** is the 20% darker color. If you saturate the color by 10%, you get **31.2594, 28.0067, 24.1462**, and if you desaturate by 10%, it is **39.3209, 39.6174, 40.7443**.

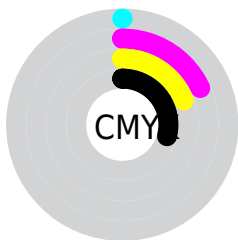
# Distribution



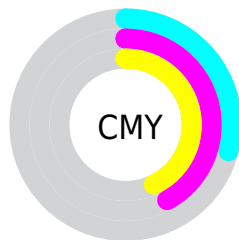
- Red (71%)
- Green (58%)
- Blue (57%)



- Red (71%)
- Yellow (58%)
- Blue (57%)



- Cyan (0%)
- Magenta (18%)
- Yellow (19%)
- Black (29%)




- Cyan (29%)
- Magenta (42%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9918, 33.3940, 31.7955 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 34.9918, 33.3940, 31.7955 by changing the saturation by 10% instead.





 34.9918, 33.3940,  
31.7955


 34.9918, 33.3940,  
31.7955


316.0408,  
317.4214, 324.6506

 23.8230, 22.4284,  
20.9418


 66.8072, 64.9902,  
63.5845

 15.3264, 14.1721,  
12.8907


 88.1845, 86.3896,  
85.3570

 9.1366, 8.2404,  
7.2235


113.6954,  
112.0357, 111.6061

 4.8882, 4.2492,  
3.5217

143.7052,  
142.3130, 142.7504

 2.2159, 1.8139,  
1.3668

178.5793,  
177.6058, 179.2085

 0.7511, 0.4958,  
0.1156

218.6830,

 0.0000, 0.0000,

218.2986, 221.3988

0.0000

264.3817,  
264.7756, 269.7400

■ 34.9918, 33.3940,  
31.7955

■ 34.9918, 33.3940,  
31.7955

■ 31.2594, 28.0067,  
24.1462

■ 39.3209, 39.6174,  
40.7443

■ 28.0950, 23.4156,  
17.7340

■ 44.2685, 46.7056,  
51.0469

■ 25.4713, 19.5842,  
12.4944

■ 49.8585, 54.6916,  
62.7570

■ 23.3581, 16.4715,  
8.3565

■ 56.1128, 63.6052,  
75.9248

■ 21.7219, 14.0327,  
5.2414

■ 63.0524, 73.4750,  
90.5981

■ 20.5253, 12.2176,  
3.0599

■ 70.6971, 84.3283,  
106.8224

■ 19.7251, 10.9695,  
1.7073

■ 72.8662, 88.5638,  
107.8618

■ 19.2575, 10.2160,  
0.9914

■ 19.2346, 10.1807,  
0.9513

# Harmonies

## Analogous

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



35.4326, 33.3940, 36.7362



34.9918, 33.3940, 31.7955



33.6701, 33.3940, 28.3890

# Triad

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



34.9918, 33.3940, 31.7955



28.8186, 33.3940, 31.2059



31.6094, 33.3940, 47.5316

# Complementary

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



34.9918, 33.3940, 31.7955



36.1145, 41.2868, 49.7820

# 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.



29.8851, 33.3940, 45.6996



34.9918, 33.3940, 31.7955



28.3133, 33.3940, 35.9871

# Square

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



34.9918, 33.3940, 31.7955



30.1033, 33.3940, 28.0726



28.6962, 33.3940, 41.3425



33.4350, 33.3940, 46.1372



# Rectangle

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



34.9918, 33.3940, 31.7955



32.4925, 33.3940, 27.2740



28.6962, 33.3940, 41.3425



30.9992, 33.3940, 47.2693

# Sweetspot

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



34.9927, 33.3955, 31.7962



73.1670, 74.8896, 78.6734



37.3795, 33.5996, 46.6789



15.6953, 16.0162, 16.7573



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



34.9927, 33.3955, 31.7962



59.8389, 55.7278, 51.1264



37.9567, 39.3236, 32.7842



8.5531, 8.6186, 8.8653



13.2825, 7.0635, 0.6633



0.4371, 0.2606, 0.0273



# Inverse Universe

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



36.1145, 41.2868, 49.7820



62.1982, 72.3322, 88.9779



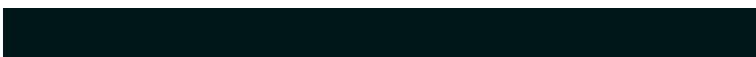
32.8671, 34.7919, 48.6995



8.6791, 9.5043, 10.8834



15.1088, 21.0180, 33.3976



0.4935, 0.6976, 1.0569



# Previews

## White Background



This preview shows how the XYZ color 34.9918, 33.3940, 31.7955 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 34.9918, 33.3940, 31.7955 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

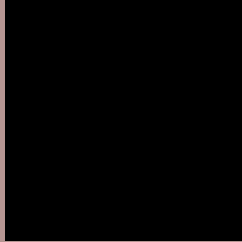
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.9918, 33.3940, 31.7955**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.9918, 33.3940, 31.7955.



This preview shows how white text looks on a background with the XYZ color 34.9918, 33.3940,

31.7955.

# 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

34.9918, 33.3940, 31.7955

### Protanopia

32.0914, 33.5560, 33.6397

### Deuteranopia

34.1594, 33.4386, 31.8480



## Tritanopia

36.2202, 33.4379, 37.3460

# Trichromacy



## Original Color

34.9918, 33.3940, 31.7955

## Protanomaly

32.9645, 33.2772, 33.1195

## Deuteranomaly

34.4548, 33.3530, 31.8159

## Tritanomaly

35.7140, 33.4580, 35.1476

# Monochromacy



## Original Color

34.9918, 33.3940, 31.7955

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

33.2800, 33.8828, 35.3578

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.9918, 33.3940, 31.7955 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(181, 149, 146)` looks like.

```
.text, #text, p{  
    color:rgb(181, 149, 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(181, 149, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 149, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 34.9918, 33.3940, 31.7955 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(181, 149, 146) }
```



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

```
.border{ border-color:rgb(181, 149, 146) }
```

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

Here you see how a box with a 4 pixel rgb(181, 149, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 149, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 149, 146);  
box-shadow:4px 4px 4px 4px rgb(181, 149,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.9918, 33.3940, 31.7955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 149, 146) }
```

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

```
.background{ background-color: rgb(181,  
149, 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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