

# Converting Colors

XYZ(33.5609, 31.7374, 24.6073)

Have a look what the booklet for  
XYZ(33.5609, 31.7374, 24.6073)  
contains.

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# Color

**XYZ(33.6367, 31.6954,  
24.7670)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B89080
RGB	184, 144, 128
RGB Percent	72%, 56%, 50%
CMY	0.2784, 0.4353, 0.4980
CMYK	0.00, 0.22, 0.30, 0.28
HSL	17°, 28%, 61%
HSV	17°, 30%, 72%
XYZ	33.6367, 31.6954, 24.7670
YIQ	154.1360, 28.9760, 3.5040

# Conversions

## Conversions Part 2

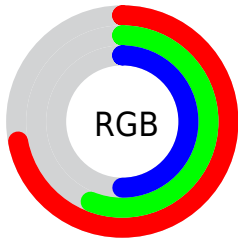
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 150, 128
Decimal	12095616
CIELab	63.09, 12.76, 14.28
CIELCh	63, 19.148, 48.208
Yxy	31.6954, 0.3733, 0.3518
Android (android.graphics.Color)	4290285696 (0xFFB89080)
YUV	154.1360, -12.8850, 26.1907
Hunter-Lab	56.2987, 8.1255, 13.3261

# Details

The XYZ color **33.6367, 31.6954, 24.7670** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **31.5559, 36.0539, 50.6434**, and the grayscale version is **30.8215, 32.4266, 35.3126**.

A 20% lighter version of the original color is **64.8102, 62.4251, 52.3495**, and **14.6199, 13.3157, 9.1968** is the 20% darker color. If you saturate the color by 10%, you get **30.6579, 27.5034, 18.3310**, and if you desaturate by 10%, it is **37.0685, 36.4417, 32.4382**.

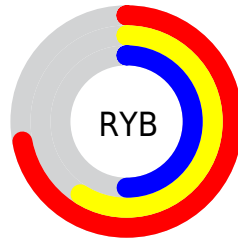
# Distribution



Red (72%)

Green (56%)

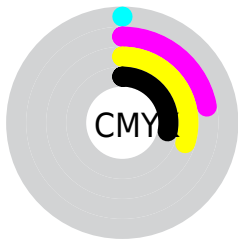
Blue (50%)



Red (72%)

Yellow (59%)

Blue (50%)

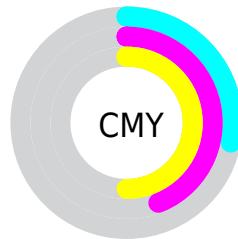


Cyan (0%)

Magenta (22%)

Yellow (30%)

Black (28%)



Cyan (28%)

Magenta (44%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6367, 31.6954, 24.7670 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 33.6367, 31.6954, 24.7670 by changing the saturation by 10% instead.





 33.6367, 31.6954,  
24.7670


 33.6367, 31.6954,  
24.7670


310.1236,  
309.7294, 290.0860


 22.7762, 21.1289,  
15.6861

 64.7164, 62.3333,  
52.2384

 14.5481, 13.2183,  
9.1504


 85.6662, 83.1735,  
71.4660

 8.5871, 7.5790,  
4.7412


 110.7100,  
108.2070, 94.9129

 4.5278, 3.8268,  
2.0402

140.2129,  
137.8184, 122.9977

 2.0049, 1.5771,  
0.5798

174.5403,  
172.3919, 156.1388

 0.6367, 0.3421,  
0.0000

214.0577,

 0.0000, 0.0000,

212.3120, 194.7549

0.0000

259.1303,  
257.9630, 239.2645

■ 33.6367, 31.6954,  
24.7670

■ 33.6367, 31.6954,  
24.7670

■ 30.6579, 27.5034,  
18.3310

■ 37.0685, 36.4417,  
32.4382

■ 28.1099, 23.8406,  
13.0632

■ 40.9694, 41.7572,  
41.4031

■ 25.9721, 20.6866,  
8.8928

■ 45.3576, 47.6620,  
51.7186

■ 24.2212, 18.0179,  
5.7408

■ 50.2496, 54.1737,  
63.4379

■ 22.8312, 15.8088,  
3.5172

■ 55.6613, 61.3091,  
76.6111

■ 21.7724, 14.0312,  
2.1161

■ 61.6075, 69.0844,  
91.2858

■ 21.0215, 12.6989,  
1.3432

■ 67.8114, 77.3987,  
105.9731

■ 71.7353, 85.2465,  
107.2811

■ 73.5772, 88.9304,  
107.8951

# Harmonies

## Analogous

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



35.2095, 31.6954, 30.1647



33.6367, 31.6954, 24.7670



31.1749, 31.6954, 22.1463

# Triad

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



33.6367, 31.6954, 24.7670



25.4246, 31.6954, 31.6243



31.7397, 31.6954, 50.2450

# Complementary

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



33.6367, 31.6954, 24.7670



31.5559, 36.0539, 50.6434

# 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.



29.1000, 31.6954, 50.7879



33.6367, 31.6954, 24.7670



25.5562, 31.6954, 39.2558

# Square

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



33.6367, 31.6954, 24.7670



26.4971, 31.6954, 25.7007



26.8676, 31.6954, 46.5243



34.0709, 31.6954, 45.1344



# Rectangle

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



33.6367, 31.6954, 24.7670



29.4066, 31.6954, 22.0290



26.8676, 31.6954, 46.5243



30.8561, 31.6954, 50.9924

# Sweetspot

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



33.6375, 31.6969, 24.7676



75.2392, 77.0100, 77.3157



34.5669, 28.4611, 40.7828



15.9842, 16.2827, 16.1185



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



33.6375, 31.6969, 24.7676



57.0157, 51.8984, 36.2952



38.3908, 41.2033, 26.3521



9.2081, 9.4191, 9.4397



14.5411, 8.8585, 0.9435



0.5673, 0.4216, 0.0515



# Inverse Universe

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



31.5559, 36.0539, 50.6434



52.5844, 61.1263, 91.2317



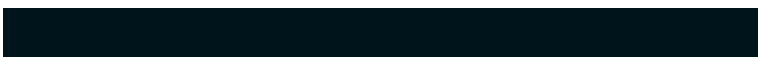
26.9517, 26.8454, 49.1086



9.0440, 9.7651, 11.4876



11.6576, 13.7749, 33.2975



0.4610, 0.5856, 1.1905



# Previews

## White Background



This preview shows how the XYZ color 33.6367, 31.6954, 24.7670 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

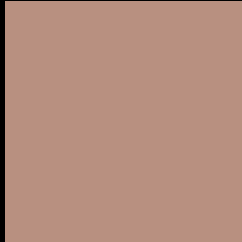
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.6367, 31.6954, 24.7670 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

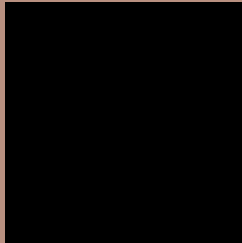
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 33.6367, 31.6954, 24.7670**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.6367, 31.6954, 24.7670.



This preview shows how white text looks on a background with the XYZ color 33.6367, 31.6954,

24.7670.

# 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

33.6367, 31.6954, 24.7670

### Protanopia

30.0533, 31.9220, 26.4074

### Deuteranopia

32.3959, 31.7469, 24.4990



## Tritanopia

35.6043, 31.8489, 33.5491

# Trichromacy



## Original Color

33.6367, 31.6954, 24.7670

## Protanomaly

31.3653, 31.8864, 25.9743

## Deuteranomaly

32.9320, 31.7934, 24.4797

## Tritanomaly

34.8806, 31.7683, 30.2801

# Monochromacy



## Original Color

33.6367, 31.6954, 24.7670

## Achromatopsia

30.7148, 32.3143, 35.1903

## Achromatomaly

31.5342, 31.8564, 31.2749

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.6367, 31.6954, 24.7670 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(184, 144, 128)` looks like.

```
.text, #text, p{  
    color:rgb(184, 144, 128)  
}
```

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(184, 144, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 144, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 33.6367, 31.6954, 24.7670 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(184, 144, 128) }
```



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

```
.border{ border-color:rgb(184, 144, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 144, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 144, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 144, 128);  
box-shadow:4px 4px 4px 4px rgb(184, 144,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.6367, 31.6954, 24.7670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 144, 128) }
```

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

```
.background{ background-color: rgb(184,  
144, 128) }
```

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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