

Converting Colors

XYZ(31.5159, 33.9331, 31.2369)

Have a look what the booklet for
XYZ(31.5159, 33.9331, 31.2369)
contains.

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Color

**XYZ(31.3615, 33.7364,
31.2444)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9E90
RGB	158, 158, 144
RGB Percent	62%, 62%, 56%
CMY	0.3804, 0.3804, 0.4353
CMYK	0.00, 0.00, 0.09, 0.38
HSL	60°, 7%, 59%
HSV	60°, 9%, 62%
XYZ	31.3615, 33.7364, 31.2444
YIQ	156.4040, 4.4940, -4.3540

Conversions

Conversions Part 2

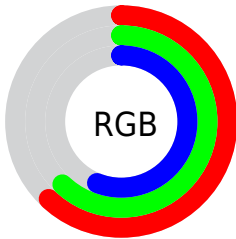
Format	Color
RYB	144, 158, 144
Decimal	10395280
CIELab	64.75, -2.57, 7.31
CIELCh	65, 7.749, 109.337
Yxy	33.7364, 0.3255, 0.3502
Android (android.graphics.Color)	4288585360 (0xFF9E9E90)
YUV	156.4040, -6.1152, 1.3997
Hunter-Lab	58.0830, -5.2656, 8.7645

Details

The XYZ color **31.3615, 33.7364, 31.2444** is a light color, and the websafe version is hex **999999**. A complement of this color would be **27.6476, 28.3453, 36.3634**, and the grayscale version is **31.8063, 33.4627, 36.4409**.

A 20% lighter version of the original color is **61.4279, 65.8119, 62.8914**, and **13.3415, 14.4493, 12.6755** is the 20% darker color. If you saturate the color by 10%, you get **30.2372, 33.2877, 25.3230**, and if you desaturate by 10%, it is **32.6567, 34.2556, 38.0576**.

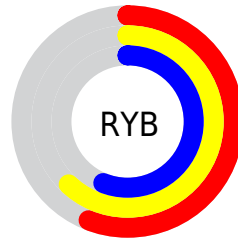
Distribution



Red (62%)

Green (62%)

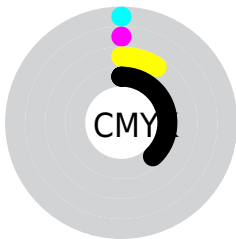
Blue (56%)



Red (56%)

Yellow (62%)

Blue (56%)

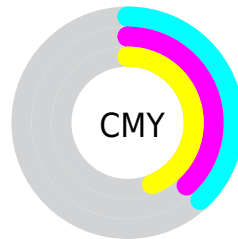


Cyan (0%)

Magenta (0%)

Yellow (9%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3615, 33.7364, 31.2444 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 31.3615, 33.7364, 31.2444 by changing the saturation by 10% instead.

■ 31.3615, 33.7364,
31.2444

■ 31.3615, 33.7364,
31.2444

299.9975,
318.9551, 322.0487

■ 21.0275, 22.6912,
20.5250

■ 61.1807, 65.5235,
62.7087

■ 13.2566, 14.3656,
12.5894

■ 81.3967, 87.0342,
84.2907

■ 7.6837, 8.3754,
7.0190

105.6372,
112.8022, 110.3307

■ 3.9433, 4.3361,
3.3954

134.2678,
143.2119, 141.2472

■ 1.6701, 1.8633,
1.2999

167.6538,
178.6476, 177.4586

■ 0.4375, 0.5262,
0.0617

206.1605,

■ 0.0000, 0.0000,

219.4938, 219.3837

0.0000

250.1533,
266.1348, 267.4409

■ 31.3615, 33.7364,
31.2444

■ 31.3615, 33.7364,
31.2444

■ 30.2372, 33.2877,
25.3230

■ 32.6567, 34.2556,
38.0576

■ 29.2742, 32.9024,
20.2543

■ 34.1265, 34.8436,
45.7949

■ 28.4657, 32.5790,
15.9998

■ 35.7783, 35.5044,
54.4900

■ 27.8038, 32.3141,
12.5171

■ 37.6178, 36.2403,
64.1739

■ 27.2796, 32.1044,
9.7599

■ 39.6508, 37.0535,
74.8764

■ 26.8835, 31.9459,
7.6771

■ 41.8826, 37.9463,
86.6261

■ 26.6045, 31.8343,
6.2107

■ 44.3185, 38.9207,
99.4503

■ 26.4297, 31.7643,
5.2933

■ 44.3828, 38.9465,
99.7859

■ 26.3331, 31.7256,
4.7874

■ 44.3833, 38.9468,
99.7860

Harmonies

Analogous

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



32.4633, 33.7364, 31.0293



31.3615, 33.7364, 31.2444



30.4682, 33.7364, 32.8798

Triad

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



31.3615, 33.7364, 31.2444



30.6901, 33.7364, 41.5850



34.2165, 33.7364, 37.8798

Complementary

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



31.3615, 33.7364, 31.2444



27.6476, 28.3453, 36.3634

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.



33.7176, 33.7364, 40.8765



31.3615, 33.7364, 31.2444



31.6708, 33.7364, 43.0964

Square

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



31.3615, 33.7364, 31.2444



30.0868, 33.7364, 38.8018



32.7798, 33.7364, 42.8299



34.1290, 33.7364, 34.7394

Rectangle

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



31.3615, 33.7364, 31.2444



30.1030, 33.7364, 34.6111



32.7798, 33.7364, 42.8299



34.1113, 33.7364, 38.9403

Sweetspot

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



31.3624, 33.7379, 31.2451



58.2769, 61.7951, 63.7166



29.1089, 29.2300, 30.4938



13.0969, 13.9150, 14.1458



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.



31.3624, 33.7379, 31.2451



56.4432, 61.0615, 54.0649



30.0246, 33.0482, 31.1825



7.1701, 7.7203, 7.0979



21.0811, 25.4044, 3.7925



0.3770, 0.4543, 0.0678

Inverse Universe

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



27.6476, 28.3453, 36.3634



48.0399, 48.8630, 65.6430



28.9083, 28.9952, 36.4224



6.2849, 6.4353, 8.3176



4.9431, 1.9773, 26.0284



0.0884, 0.0354, 0.4654

Previews

White Background



This preview shows how the XYZ color 31.3615, 33.7364, 31.2444 looks on a white background.

Color Contrast Check

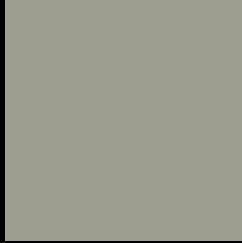
Large Text (above 18pt) WCAG AA × Fail

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 31.3615, 33.7364, 31.2444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

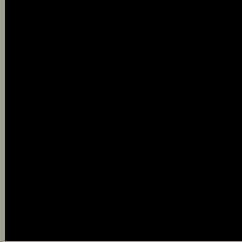
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

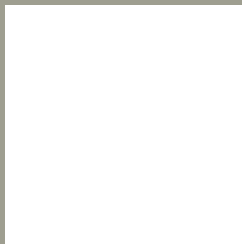
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3615, 33.7364, 31.2444

Background



This preview shows how black text looks on a background with the XYZ color 31.3615, 33.7364, 31.2444.



This preview shows how white text looks on a background with the XYZ color 31.3615, 33.7364,

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

31.3615, 33.7364, 31.2444

Protanopia

31.9506, 33.5466, 30.7778

Deuteranopia

34.2436, 33.7309, 31.4939



Tritanopia

33.3943, 33.8098, 41.3251

Trichromacy



Original Color

31.3615, 33.7364, 31.2444

Protanomaly

31.7128, 33.6742, 30.8149

Deuteranomaly

33.0286, 33.5906, 31.5309

Tritanomaly

32.6437, 33.7537, 37.5955

Monochromacy



Original Color

31.3615, 33.7364, 31.2444

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.6291, 33.5490, 34.5143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3615, 33.7364, 31.2444 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(158, 158, 144)` looks like.

```
.text, #text, p{  
    color:rgb(158, 158, 144)  
}
```

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(158, 158, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 158, 144) }
```

Border

The CSS property to change the border of an element to XYZ 31.3615, 33.7364, 31.2444 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(158, 158, 144) }
```


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

```
.border{ border-color:rgb(158, 158, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 158, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 158, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 158, 144);  
box-shadow:4px 4px 4px 4px rgb(158, 158,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3615, 33.7364, 31.2444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 158, 144) }
```

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

```
.background{ background-color: rgb(158,  
158, 144) }
```

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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