

Converting Colors

XYZ(31.3644, 30.9954, 34.7649)

Have a look what the booklet for
XYZ(31.3644, 30.9954, 34.7649)
contains.

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Color

**XYZ(31.3707, 30.9871,
34.8995)**

Conversions

Conversions Part 1

Format	Color
Hex	A3939A
RGB	163, 147, 154
RGB Percent	64%, 58%, 60%
CMY	0.3608, 0.4235, 0.3961
CMYK	0.00, 0.10, 0.06, 0.36
HSL	334°, 8%, 61%
HSV	334°, 10%, 64%
XYZ	31.3707, 30.9871, 34.8995
YIQ	152.5820, 7.2890, 5.5690

Conversions

Conversions Part 2

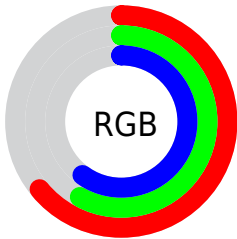
Format	Color
RYB	163, 147, 154
Decimal	10720154
CIELab	62.50, 7.19, -1.53
CIELCh	62, 7.354, 347.965
Yxy	30.9871, 0.3226, 0.3186
Android (android.graphics.Color)	4288910234 (0xFFA3939A)
YUV	152.5820, 0.6991, 9.1366
Hunter-Lab	55.6661, 3.1784, 1.7947

Details

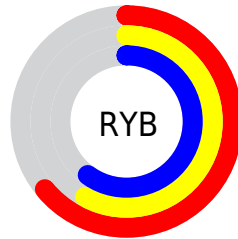
The XYZ color **31.3707, 30.9871, 34.8995** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.1318, 34.7985, 36.5302**, and the grayscale version is **30.0923, 31.6595, 34.4772**.

A 20% lighter version of the original color is **61.1853, 61.2328, 68.2688**, and **13.1866, 12.7245, 14.5930** is the 20% darker color. If you saturate the color by 10%, you get **28.2788, 25.9789, 30.2435**, and if you desaturate by 10%, it is **34.8819, 36.7397, 39.9839**.

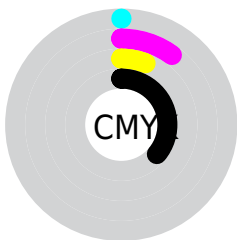
Distribution



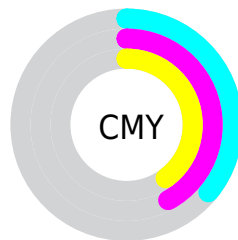
- Red (64%)
- Green (58%)
- Blue (60%)



- Red (64%)
- Yellow (58%)
- Blue (60%)



- Cyan (0%)
- Magenta (10%)
- Yellow (6%)
- Black (36%)



- Cyan (36%)
- Magenta (42%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3707, 30.9871, 34.8995 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 31.3707, 30.9871, 34.8995 by changing the saturation by 10% instead.

■ 31.3707, 30.9871,
34.8995

■ 31.3707, 30.9871,
34.8995

300.0390,
306.4789, 339.0153

■ 21.0345, 20.5890,
23.3025

■ 61.1951, 61.2198,
68.4799

■ 13.2618, 12.8239,
14.6097

■ 81.4140, 81.8231,
91.3003

■ 7.6873, 7.3074,
8.4023

105.6579,
106.5971, 118.6990

■ 3.9456, 3.6551,
4.2620

134.2921,
135.9260, 151.0945

■ 1.6714, 1.4826,
1.7702

167.6819,
170.1942, 188.9054

■ 0.4383, 0.2764,
0.4082

206.1928,

■ 0.0000, 0.0000,

209.7861, 232.5501

0.0000

250.1900,
255.0863, 282.4472

■ 31.3707, 30.9871,
34.8995

■ 31.3707, 30.9871,
34.8995

■ 28.2788, 25.9789,
30.2435

■ 34.8819, 36.7397,
39.9839

■ 25.5872, 21.6805,
26.0022

■ 38.8252, 43.2613,
45.5061

■ 23.2794, 18.0605,
22.1637

■ 43.2160, 50.5806,
51.4776

■ 21.3366, 15.0835,
18.7149

■ 48.0682, 58.7235,
57.9089

■ 19.7384, 12.7112,
15.6419

■ 53.3950, 67.7147,
64.8100

■ 18.4623, 10.9007,
12.9298

■ 59.2093, 77.5779,
72.1907

■ 17.4829, 9.6039,
10.5622

■ 63.5448, 84.3788,
79.4009

■ 16.7704, 8.7640,
8.5210

■ 64.7800, 84.8729,
85.9055

■ 16.2601, 8.2541,
6.7762

■ 66.0827, 85.3939,
92.7654

Harmonies

Analogous

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



30.9018, 30.9871, 37.5579



31.3707, 30.9871, 34.8995



31.3171, 30.9871, 32.0716

Triad

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



31.3707, 30.9871, 34.8995



28.8640, 30.9871, 28.7737



28.1851, 30.9871, 37.9917

Complementary

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



31.3707, 30.9871, 34.8995



31.1318, 34.7985, 36.5302

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.



27.6631, 30.9871, 35.4646



31.3707, 30.9871, 34.8995



28.0489, 30.9871, 30.1894

Square

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



31.3707, 30.9871, 34.8995



29.8545, 30.9871, 28.6415



27.6138, 30.9871, 32.6059



29.0537, 30.9871, 39.4096

Rectangle

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



31.3707, 30.9871, 34.8995



30.9924, 30.9871, 30.4681



27.6138, 30.9871, 32.6059



27.9641, 30.9871, 37.2374

Sweetspot

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



31.3716, 30.9885, 34.9002



60.3486, 62.3095, 68.5709



30.7174, 30.5613, 38.9306



13.4413, 13.8095, 15.2382



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.3716, 30.9885, 34.9002



54.7821, 53.2170, 60.4250



30.9304, 31.0117, 31.9611



7.1964, 7.1350, 8.0208



12.6522, 6.4169, 5.3591



0.2894, 0.1443, 0.2368

Inverse Universe

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



31.3716, 30.9885, 34.9002



54.7821, 53.2170, 60.4250



31.6000, 34.7593, 39.6944



7.1964, 7.1350, 8.0208



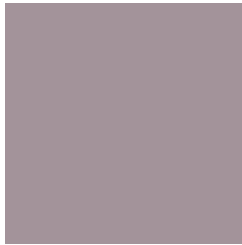
12.6522, 6.4169, 5.3591



0.2894, 0.1443, 0.2368

Previews

White Background



This preview shows how the XYZ color 31.3707, 30.9871, 34.8995 looks on a white background.

Color Contrast Check

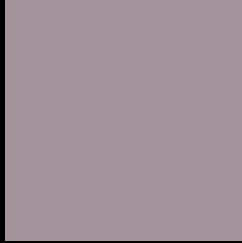
Large Text (above 18pt) WCAG AA × Fail

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 31.3707, 30.9871, 34.8995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

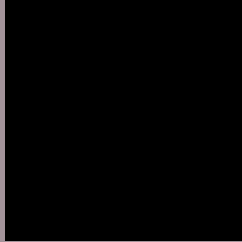
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.3707, 30.9871, 34.8995

Background



This preview shows how black text looks on a background with the XYZ color 31.3707, 30.9871, 34.8995.



This preview shows how white text looks on a background with the XYZ color 31.3707, 30.9871,

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

31.3707, 30.9871, 34.8995

Protanopia

29.8560, 30.8884, 35.8410

Deuteranopia

31.4215, 30.7834, 34.8575



Tritanopia

31.7603, 30.9189, 36.6417

Trichromacy



Original Color

31.3707, 30.9871, 34.8995

Protanomaly

30.3741, 30.9294, 35.3794

Deuteranomaly

31.4215, 30.7834, 34.8575

Tritanomaly

31.6745, 30.8846, 36.1902

Monochromacy



Original Color

31.3707, 30.9871, 34.8995

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.7210, 31.6012, 34.6175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3707, 30.9871, 34.8995 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(163, 147, 154)` looks like.

```
.text, #text, p{  
    color:rgb(163, 147, 154)  
}
```

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(163, 147, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 147, 154) }
```

Border

The CSS property to change the border of an element to XYZ 31.3707, 30.9871, 34.8995 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(163, 147, 154) }
```


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

```
.border{ border-color:rgb(163, 147, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 147, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 147, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 147, 154);  
box-shadow:4px 4px 4px 4px rgb(163, 147,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3707, 30.9871, 34.8995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 147, 154) }
```

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

```
.background{ background-color: rgb(163,  
147, 154) }
```

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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