

Converting Colors

XYZ(31.4942, 33.7222, 34.9861)

Have a look what the booklet for
XYZ(31.4942, 33.7222, 34.9861)
contains.

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Color

**XYZ(31.4942, 33.7222,
34.9861)**

Conversions

Conversions Part 1

Format	Color
Hex	9B9E99
RGB	155, 158, 153
RGB Percent	61%, 62%, 60%
CMY	0.3922, 0.3804, 0.4000
CMYK	0.02, 0.00, 0.03, 0.38
HSL	96°, 3%, 61%
HSV	96°, 3%, 62%
XYZ	31.4942, 33.7222, 34.9861
YIQ	156.5330, -0.1830, -2.1910

Conversions

Conversions Part 2

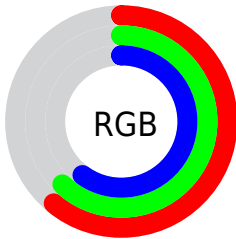
Format	Color
RYB	153, 158, 156
Decimal	10198681
CIELab	64.74, -2.03, 2.22
CIELCh	65, 3.011, 132.399
Yxy	33.7222, 0.3143, 0.3365
Android (android.graphics.Color)	4288388761 (0xFF9B9E99)
YUV	156.5330, -1.7418, -1.3444
Hunter-Lab	58.0708, -4.8160, 4.9289

Details

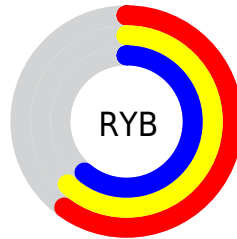
The XYZ color **31.4942, 33.7222, 34.9861** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.2744, 32.3199, 36.9395**, and the grayscale version is **31.8466, 33.5051, 36.4871**.

A 20% lighter version of the original color is **61.3512, 65.6488, 68.4694**, and **13.3649, 14.4178, 14.6489** is the 20% darker color. If you saturate the color by 10%, you get **28.5256, 32.3338, 28.4801**, and if you desaturate by 10%, it is **34.7805, 35.2564, 42.4105**.

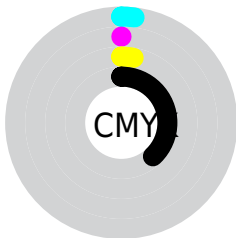
Distribution



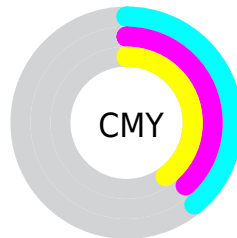
- Red (61%)
- Green (62%)
- Blue (60%)



- Red (60%)
- Yellow (62%)
- Blue (61%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (38%)



- Cyan (39%)
- Magenta (38%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4942, 33.7222, 34.9861 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 31.4942, 33.7222, 34.9861 by changing the saturation by 10% instead.

■ 31.4942, 33.7222,
34.9861

■ 31.4942, 33.7222,
34.9861

300.5951,
318.8916, 339.4094

■ 21.1291, 22.6803,
23.3687

■ 61.3879, 65.5014,
68.6156

■ 13.3314, 14.3576,
14.6581

■ 81.6472, 87.0075,
91.4647

■ 7.7357, 8.3698,
8.4359

105.9353,
112.7705, 118.8948

■ 3.9767, 4.3325,
4.2833

134.6175,
143.1746, 151.3245

■ 1.6890, 1.8612,
1.7820

168.0593,
178.6044, 189.1723

■ 0.4493, 0.5249,
0.4161

206.6259,

■ 0.0000, 0.0000,

219.4443, 232.8566

0.0000

250.6827,
266.0785, 282.7961

■ 31.4942, 33.7222,
34.9861

■ 31.4942, 33.7222,
34.9861

■ 28.5256, 32.3338,
28.4801

■ 34.7805, 35.2564,
42.4105

■ 25.8620, 31.0823,
22.8546

■ 38.3912, 36.9362,
50.7849

■ 23.4936, 29.9648,
18.0724

■ 42.3365, 38.7670,
60.1418

■ 21.4092, 28.9762,
14.0928

■ 46.6249, 40.7527,
70.5119

■ 19.5969, 28.1113,
10.8716

■ 51.2649, 42.8969,
81.9242

■ 18.0437, 27.3646,
8.3604

■ 56.2647, 45.2033,
94.4068

■ 16.7352, 26.7298,
6.5054

■ 60.2153, 47.1086,
100.5269

■ 15.6558, 26.2001,
5.2447

■ 63.1921, 48.6431,
100.6662

■ 14.7869, 25.7676,
4.5048

■ 66.3347, 50.2632,
100.8133

Harmonies

Analogous

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



31.8736, 33.7222, 34.4394



31.4942, 33.7222, 34.9861



31.2654, 33.7222, 36.0019

Triad

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



31.4942, 33.7222, 34.9861



31.8010, 33.7222, 39.0361



32.8714, 33.7222, 36.2085

Complementary

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



31.4942, 33.7222, 34.9861



31.2744, 32.3199, 36.9395

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.



32.8515, 33.7222, 37.4430



31.4942, 33.7222, 34.9861



32.2309, 33.7222, 39.0945

Square

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



31.4942, 33.7222, 34.9861



31.4415, 33.7222, 38.3480



32.6162, 33.7222, 38.5056



32.6703, 33.7222, 35.1344

Rectangle

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



31.4942, 33.7222, 34.9861



31.2278, 33.7222, 36.8176



32.6162, 33.7222, 38.5056



32.8904, 33.7222, 36.6181

Sweetspot

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



31.4951, 33.7237, 34.9868



58.4237, 61.8141, 66.2839



31.7401, 33.3473, 34.9013



13.1794, 13.9396, 14.9611



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.



31.4951, 33.7237, 34.9868



56.6768, 60.9980, 62.3870



31.1559, 33.5440, 35.1871



7.1075, 7.6729, 7.7805



11.4846, 20.4573, 3.3433



0.2517, 0.3897, 0.0619

Inverse Universe

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



31.2744, 32.3199, 36.9395



56.1635, 57.7342, 66.9271



31.6216, 32.5039, 36.7314



7.0344, 7.2080, 8.4272



8.7544, 3.9421, 26.2067



0.2033, 0.0946, 0.4708

Previews

White Background



This preview shows how the XYZ color 31.4942, 33.7222, 34.9861 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 31.4942, 33.7222, 34.9861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

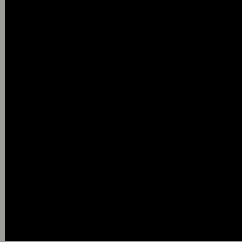
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4942, 33.7222, 34.9861

Background



This preview shows how black text looks on a background with the XYZ color 31.4942, 33.7222, 34.9861.



This preview shows how white text looks on a background with the XYZ color 31.4942, 33.7222,

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

31.4942, 33.7222, 34.9861

Protanopia

32.2539, 33.6210, 34.4953

Deuteranopia

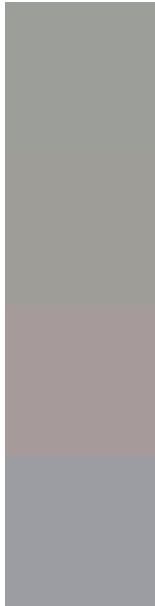
34.2946, 33.6738, 35.2640



Tritanopia

32.8610, 33.7722, 41.8325

Trichromacy



Original Color

31.4942, 33.7222, 34.9861

Protanomaly

32.0225, 33.7519, 34.5328

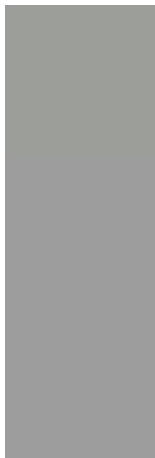
Deuteranomaly

33.1142, 33.5513, 35.3026

Tritanomaly

32.3781, 33.8262, 39.4729

Monochromacy



Original Color

31.4942, 33.7222, 34.9861

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.7680, 33.5822, 36.2601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4942, 33.7222, 34.9861 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(155, 158, 153) looks like.

```
.text, #text, p{  
    color:rgb(155, 158, 153)  
}
```

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(155, 158, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 158, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.4942, 33.7222, 34.9861 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(155, 158, 153) }
```


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

```
.border{ border-color:rgb(155, 158, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 158, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 158, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 158, 153);  
box-shadow:4px 4px 4px 4px rgb(155, 158,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4942, 33.7222, 34.9861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 158, 153) }
```

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

```
.background{ background-color: rgb(155,  
158, 153) }
```

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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