

Converting Colors

XYZ(31.5391, 33.8258, 33.2041)

Have a look what the booklet for
XYZ(31.5391, 33.8258, 33.2041)
contains.

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Color

**XYZ(31.5563, 33.7917,
33.2930)**

Conversions

Conversions Part 1

Format	Color
Hex	9D9E95
RGB	157, 158, 149
RGB Percent	62%, 62%, 58%
CMY	0.3843, 0.3804, 0.4157
CMYK	0.01, 0.00, 0.06, 0.38
HSL	67°, 4%, 60%
HSV	67°, 6%, 62%
XYZ	31.5563, 33.7917, 33.2930
YIQ	156.6750, 2.2930, -3.0110

Conversions

Conversions Part 2

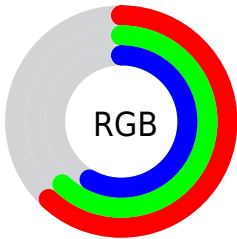
Format	Color
RYB	149, 158, 150
Decimal	10329749
CIELab	64.80, -2.04, 4.57
CIELCh	65, 5.002, 114.098
Yxy	33.7917, 0.3199, 0.3426
Android (android.graphics.Color)	4288519829 (0xFF9D9E95)
YUV	156.6750, -3.7838, 0.2850
Hunter-Lab	58.1306, -4.8296, 6.7344

Details

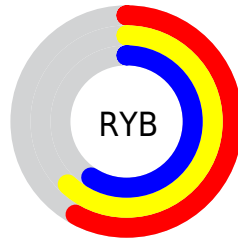
The XYZ color **31.5563, 33.7917, 33.2930** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.4979, 30.4484, 36.6719**, and the grayscale version is **31.9183, 33.5806, 36.5692**.

A 20% lighter version of the original color is **61.7251, 65.8973, 65.9661**, and **13.4062, 14.4614, 13.6400** is the 20% darker color. If you saturate the color by 10%, you get **30.0389, 33.1465, 27.0778**, and if you desaturate by 10%, it is **33.2517, 34.5109, 40.4114**.

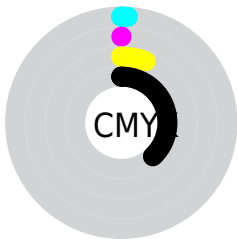
Distribution



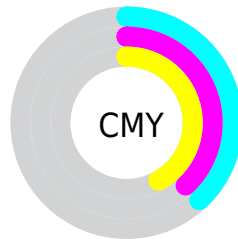
- Red (62%)
- Green (62%)
- Blue (58%)



- Red (58%)
- Yellow (62%)
- Blue (59%)



- Cyan (1%)
- Magenta (0%)
- Yellow (6%)
- Black (38%)



- Cyan (38%)
- Magenta (38%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5563, 33.7917, 33.2930 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 31.5563, 33.7917, 33.2930 by changing the saturation by 10% instead.

■ 31.5563, 33.7917,
33.2930

■ 31.5563, 33.7917,
33.2930

300.8744,
319.2022, 331.6404

■ 21.1767, 22.7336,
22.0780

■ 61.4848, 65.6096,
65.9540

■ 13.3664, 14.3969,
13.7154

■ 81.7644, 87.1382,
88.2371

■ 7.7601, 8.3973,
7.7865

106.0747,
112.9258, 115.0466

■ 3.9923, 4.3502,
3.8728

134.7810,
143.3568, 146.8012

■ 1.6978, 1.8713,
1.5558

168.2488,
178.8155, 183.9193

■ 0.4549, 0.5310,
0.2590

206.8434,

■ 0.0000, 0.0000,

219.6864, 226.8195

0.0000

250.9302,
266.3539, 275.9204

■ 31.5563, 33.7917,
33.2930

■ 31.5563, 33.7917,
33.2930

■ 30.0389, 33.1465,
27.0778

■ 33.2517, 34.5109,
40.4114

■ 28.6899, 32.5680,
21.7275

■ 35.1287, 35.3022,
48.4647

■ 27.5028, 32.0549,
17.2043


■ 37.1945, 36.1697,
57.4860


■ 26.4698, 31.6041,
13.4669


■ 39.4549, 37.1155,
67.5060


■ 25.5823, 31.2119,
10.4704


■ 41.9155, 38.1420,
78.5539


 24.8308, 30.8748,
8.1653


 44.5817, 39.2513,
90.6581


 24.2049, 30.5884,
6.4960

 46.7084, 40.1454,
99.8948

 23.6924, 30.3480,
5.3987

 47.0895, 40.3419,
99.9126

 23.2769, 30.1469,
4.7873

 47.4756, 40.5410,
99.9307

Harmonies

Analogous

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



32.2605, 33.7917, 32.9905



31.5563, 33.7917, 33.2930



31.0101, 33.7917, 34.5181

Triad

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



31.5563, 33.7917, 33.2930



31.3134, 33.7917, 40.0979



33.5142, 33.7917, 37.2024

Complementary

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



31.5563, 33.7917, 33.2930



29.4979, 30.4484, 36.6719

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.



33.2520, 33.7917, 39.1666



31.5563, 33.7917, 33.2930



31.9759, 33.7917, 40.8780

Square

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



31.5563, 33.7917, 33.2930



30.8713, 33.7917, 38.4354



32.6863, 33.7917, 40.5310



33.3978, 33.7917, 35.1989

Rectangle

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



31.5563, 33.7917, 33.2930



30.8055, 33.7917, 35.7182



32.6863, 33.7917, 40.5310



33.4673, 33.7917, 37.8900

Sweetspot

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



31.5572, 33.7932, 33.2937



58.3929, 61.8267, 64.9937



30.4168, 31.2207, 32.8573



13.1728, 13.9422, 14.6869



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.



31.5572, 33.7932, 33.2937



56.8887, 61.1883, 58.7345



30.7143, 33.3586, 33.2543



7.1634, 7.7109, 7.3666



18.5292, 24.0889, 3.6730



0.3500, 0.4403, 0.0665

Inverse Universe

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



29.4979, 30.4484, 36.6719



52.2490, 53.6524, 66.3456



30.3227, 30.8736, 36.7105



6.5581, 6.7277, 8.3596



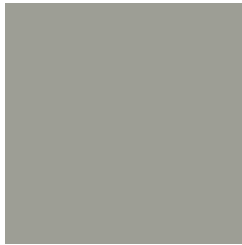
5.1549, 2.0864, 26.0383



0.1097, 0.0463, 0.4664

Previews

White Background



This preview shows how the XYZ color 31.5563, 33.7917, 33.2930 looks on a white background.

Color Contrast Check

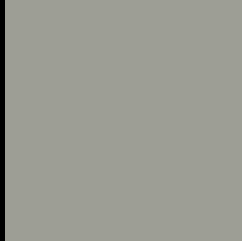
Large Text (above 18pt) WCAG AA × Fail

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 31.5563, 33.7917, 33.2930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

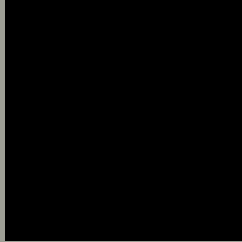
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

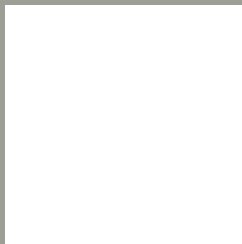
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5563, 33.7917, 33.2930

Background



This preview shows how black text looks on a background with the XYZ color 31.5563, 33.7917, 33.2930.



This preview shows how white text looks on a background with the XYZ color 31.5563, 33.7917,

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

31.5563, 33.7917, 33.2930

Protanopia

32.1341, 33.5964, 32.8081

Deuteranopia

34.4125, 33.7724, 33.5592



Tritanopia

33.1936, 33.7063, 41.3157

Trichromacy



Original Color

31.5563, 33.7917, 33.2930

Protanomaly

31.8995, 33.7256, 32.8454

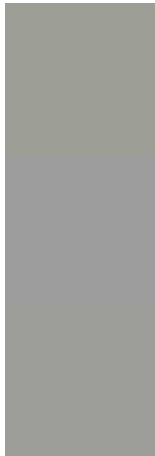
Deuteranomaly

33.2091, 33.6380, 33.5966

Tritanomaly

32.5317, 33.6859, 38.0451

Monochromacy



Original Color

31.5563, 33.7917, 33.2930

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.7943, 33.6151, 35.3845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5563, 33.7917, 33.2930 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(157, 158, 149)` looks like.

```
.text, #text, p{  
    color:rgb(157, 158, 149)  
}
```

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(157, 158, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 158, 149) }
```

Border

The CSS property to change the border of an element to XYZ 31.5563, 33.7917, 33.2930 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(157, 158, 149) }
```


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

```
.border{ border-color:rgb(157, 158, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 158, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 158, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 158, 149);  
box-shadow:4px 4px 4px 4px rgb(157, 158,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5563, 33.7917, 33.2930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 158, 149) }
```

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

```
.background{ background-color: rgb(157,  
158, 149) }
```

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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