

Converting Colors

XYZ(31.5126, 31.7976, 33.3270)

Have a look what the booklet for
XYZ(31.5126, 31.7976, 33.3270)
contains.

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Color

**XYZ(31.5156, 31.8012,
33.3314)**

Conversions

Conversions Part 1

Format	Color
Hex	A39696
RGB	163, 150, 150
RGB Percent	64%, 59%, 59%
CMY	0.3608, 0.4117, 0.4118
CMYK	0.00, 0.08, 0.08, 0.36
HSL	0°, 7%, 61%
HSV	0°, 8%, 64%
XYZ	31.5156, 31.8012, 33.3314
YIQ	153.8870, 7.7480, 2.7560

Conversions

Conversions Part 2

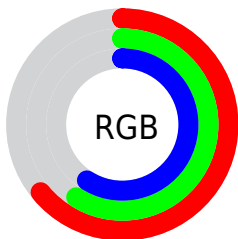
Format	Color
RYB	163, 150, 150
Decimal	10720918
CIELab	63.18, 4.79, 1.72
CIELCh	63, 5.087, 19.801
Yxy	31.8012, 0.3261, 0.3290
Android (android.graphics.Color)	4288910998 (0xFFA39696)
YUV	153.8870, -1.9163, 7.9921
Hunter-Lab	56.3926, 1.0697, 4.4308

Details

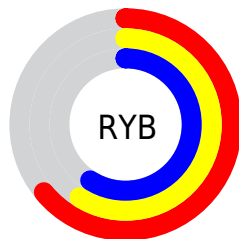
The XYZ color **31.5156, 31.8012, 33.3314** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.2857, 35.3222, 39.7669**, and the grayscale version is **30.6721, 32.2694, 35.1414**.

A 20% lighter version of the original color is **61.4054, 62.4508, 65.9445**, and **13.2695, 13.2040, 13.6536** is the 20% darker color. If you saturate the color by 10%, you get **27.8713, 26.4689, 26.0851**, and if you desaturate by 10%, it is **35.7059, 37.9327, 41.6613**.

Distribution



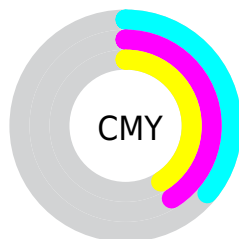
- Red (64%)
- Green (59%)
- Blue (59%)



- Red (64%)
- Yellow (59%)
- Blue (59%)



- Cyan (0%)
- Magenta (8%)
- Yellow (8%)
- Black (36%)



- Cyan (36%)
- Magenta (41%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5156, 31.8012, 33.3314 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 31.5156, 31.8012, 33.3314 by changing the saturation by 10% instead.

■ 31.5156, 31.8012,
33.3314

■ 31.5156, 31.8012,
33.3314

300.6913,
310.2127, 331.8181

■ 21.1455, 21.2097,
22.1072

■ 61.4213, 62.4993,
66.0145

■ 13.3435, 13.2774,
13.7367

■ 81.6876, 83.3747,
88.3106

■ 7.7441, 7.6198,
7.8011

105.9833,
108.4468, 115.1344

■ 3.9821, 3.8527,
3.8820

134.6739,
138.1001, 146.9045

■ 1.6920, 1.5915,
1.5608

168.1246,
172.7190, 184.0393

■ 0.4513, 0.3519,
0.2626

206.7009,

■ 0.0000, 0.0000,

212.6877, 226.9575

0.0000

250.7680,
258.3908, 276.0776

■ 31.5156, 31.8012,
33.3314

■ 31.5156, 31.8012,
33.3314

■ 27.8713, 26.4689,
26.0851

■ 35.7059, 37.9327,
41.6613

■ 24.7482, 21.8989,
19.8761

■ 40.4607, 44.8900,
51.1146

■ 22.1231, 18.0577,
14.6573

■ 45.8008, 52.7036,
61.7317

■ 19.9703, 14.9076,
10.3778

■ 51.7450, 61.4012,
73.5502

■ 18.2619, 12.4076,
6.9817

■ 58.3116, 71.0095,
86.6061

■ 16.9668, 10.5124,
4.4074

■ 65.5179, 81.5536,
100.9339

■ 16.0500, 9.1707,
2.5853

■ 68.9144, 86.5266,
107.6769

■ 15.4708, 8.3231,
1.4344

■ 15.1587, 7.8662,
0.8142

Harmonies

Analogous

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



31.5758, 31.8012, 35.3160



31.5156, 31.8012, 33.3314



31.1068, 31.8012, 31.7530

Triad

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



31.5156, 31.8012, 33.3314



29.2055, 31.8012, 32.1874



29.9874, 31.8012, 38.5770

Complementary

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



31.5156, 31.8012, 33.3314



32.2857, 35.3222, 39.7669

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.



29.3621, 31.8012, 37.6674



31.5156, 31.8012, 33.3314



28.9154, 31.8012, 33.9452

Square

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



31.5156, 31.8012, 33.3314



29.7706, 31.8012, 31.1105



28.9722, 31.8012, 35.9539



30.6862, 31.8012, 38.3970

Rectangle

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



31.5156, 31.8012, 33.3314



30.6951, 31.8012, 31.1191



28.9722, 31.8012, 35.9539



29.7618, 31.8012, 38.3872

Sweetspot

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



31.5165, 31.8026, 33.3321



60.7783, 63.2989, 68.3137



32.6219, 32.2440, 39.1550



13.6704, 14.2457, 15.3825



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.



31.5165, 31.8026, 33.3321



54.9176, 54.7233, 56.6618



32.5822, 33.9341, 33.6873



7.0739, 7.0862, 7.3750



11.7392, 6.0522, 0.5495



0.2467, 0.1272, 0.0116

Inverse Universe

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



32.2857, 35.3222, 39.7669



56.6511, 62.6555, 71.1640



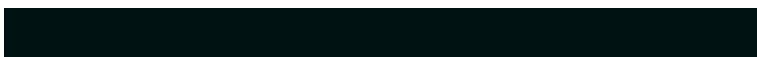
31.1615, 33.0739, 39.3922



7.2760, 8.0110, 9.0659



15.3122, 22.4037, 30.4471



0.3218, 0.4708, 0.6398

Previews

White Background



This preview shows how the XYZ color 31.5156, 31.8012, 33.3314 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 31.5156, 31.8012, 33.3314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

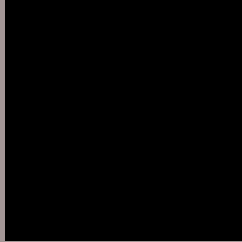
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5156, 31.8012, 33.3314

Background



This preview shows how black text looks on a background with the XYZ color 31.5156, 31.8012, 33.3314.



This preview shows how white text looks on a background with the XYZ color 31.5156, 31.8012,

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

31.5156, 31.8012, 33.3314

Protanopia

30.5245, 31.7588, 33.7994

Deuteranopia

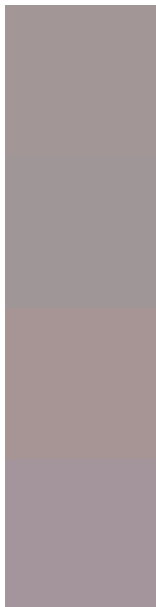
32.4571, 31.8168, 33.2847



Tritanopia

32.2449, 31.6104, 37.6596

Trichromacy



Original Color

31.5156, 31.8012, 33.3314

Protanomaly

30.9506, 31.7385, 33.7730

Deuteranomaly

32.1888, 31.9124, 33.3173

Tritanomaly

32.0580, 31.7877, 35.8985

Monochromacy



Original Color

31.5156, 31.8012, 33.3314

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.0456, 32.2505, 34.7257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5156, 31.8012, 33.3314 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, 150, 150)` looks like.

```
.text, #text, p{  
    color:rgb(163, 150, 150)  
}
```

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, 150, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 150, 150) }
```

Border

The CSS property to change the border of an element to XYZ 31.5156, 31.8012, 33.3314 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, 150, 150) }
```


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

```
.border{ border-color:rgb(163, 150, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 150, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 150, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 150, 150);  
box-shadow:4px 4px 4px 4px rgb(163, 150,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5156, 31.8012, 33.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 150, 150) }
```

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

```
.background{ background-color: rgb(163,  
150, 150) }
```

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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