

Converting Colors

XYZ(31.3202, 31.9272, 33.9913)

Have a look what the booklet for
XYZ(31.3202, 31.9272, 33.9913)
contains.

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Color

**XYZ(31.3505, 31.9447,
33.7917)**

Conversions

Conversions Part 1

Format	Color
Hex	A19797
RGB	161, 151, 151
RGB Percent	63%, 59%, 59%
CMY	0.3686, 0.4078, 0.4078
CMYK	0.00, 0.06, 0.06, 0.37
HSL	0°, 5%, 61%
HSV	0°, 6%, 63%
XYZ	31.3505, 31.9447, 33.7917
YIQ	153.9900, 5.9600, 2.1200

Conversions

Conversions Part 2

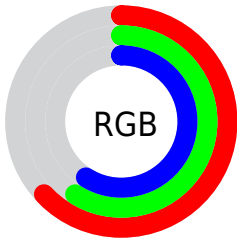
Format	Color
RYB	161, 151, 151
Decimal	10590103
CIELab	63.30, 3.67, 1.31
CIElCh	63, 3.895, 19.661
Yxy	31.9447, 0.3229, 0.3290
Android (android.graphics.Color)	4288780183 (0xFFA19797)
YUV	153.9900, -1.4741, 6.1478
Hunter-Lab	56.5196, 0.1016, 4.1157

Details

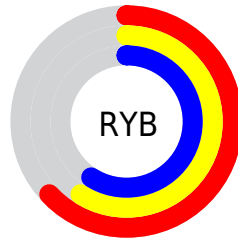
The XYZ color **31.3505, 31.9447, 33.7917** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.9403, 34.6416, 38.7217**, and the grayscale version is **30.7160, 32.3156, 35.1917**.

A 20% lighter version of the original color is **61.1697, 62.6694, 66.6300**, and **13.1641, 13.2857, 13.9272** is the 20% darker color. If you saturate the color by 10%, you get **27.7156, 26.6262, 26.5637**, and if you desaturate by 10%, it is **35.5194, 38.0447, 42.0795**.

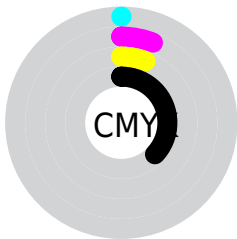
Distribution



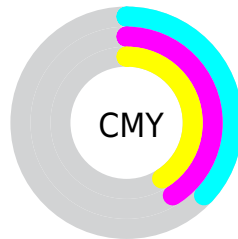
- Red (63%)
- Green (59%)
- Blue (59%)



- Red (63%)
- Yellow (59%)
- Blue (59%)



- Cyan (0%)
- Magenta (6%)
- Yellow (6%)
- Black (37%)



- Cyan (37%)
- Magenta (41%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3505, 31.9447, 33.7917 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 31.3505, 31.9447, 33.7917 by changing the saturation by 10% instead.

■ 31.3505, 31.9447,
33.7917

■ 31.3505, 31.9447,
33.7917

299.9480,
310.8673, 333.9430

■ 21.0190, 21.3193,
22.4576

■ 61.1636, 62.7244,
66.7398

■ 13.2504, 13.3576,
13.9920

■ 81.3759, 83.6474,
89.1908

■ 7.6794, 7.6752,
7.9764

105.6125,
108.7718, 116.1846

■ 3.9406, 3.8878,
3.9923

134.2388,
138.4819, 148.1396

■ 1.6686, 1.6110,
1.6211

167.6202,
173.1621, 185.4744

■ 0.4365, 0.3650,
0.3058

206.1219,

■ 0.0000, 0.0000,

213.1968, 228.6076

0.0000

250.1094,
258.9704, 277.9576

■ 31.3505, 31.9447,
33.7917

■ 31.3505, 31.9447,
33.7917

■ 27.7156, 26.6262,
26.5637

■ 35.5194, 38.0447,
42.0795

■ 24.5906, 22.0537,
20.3508

■ 40.2399, 44.9516,
51.4653

■ 21.9536, 18.1951,
15.1083

■ 45.5320, 52.6949,
61.9877

■ 19.7800, 15.0144,
10.7870

■ 51.4140, 61.3011,
73.6832

■ 18.0429, 12.4724,
7.3340

■ 57.9032, 70.7958,
86.5863

■ 16.7129, 10.5261,
4.6904

■ 65.0165, 81.2034,
100.7303

■ 15.7568, 9.1270,
2.7904

■ 68.5081, 86.3172,
107.6579

■ 15.1365, 8.2190,
1.5579

■ 14.7983, 7.7240,
0.8861

Harmonies

Analogous

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



31.3951, 31.9447, 35.3186



31.3505, 31.9447, 33.7917



31.0394, 31.9447, 32.5653

Triad

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



31.3505, 31.9447, 33.7917



29.5781, 31.9447, 32.8933



30.1766, 31.9447, 37.7896

Complementary

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



31.3505, 31.9447, 33.7917



31.9403, 34.6416, 38.7217

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.



29.6955, 31.9447, 37.0978



31.3505, 31.9447, 33.7917



29.3527, 31.9447, 34.2515

Square

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



31.3505, 31.9447, 33.7917



30.0146, 31.9447, 32.0573



29.3954, 31.9447, 35.7922



30.7131, 31.9447, 37.6576

Rectangle

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



31.3505, 31.9447, 33.7917



30.7247, 31.9447, 32.0687



29.3954, 31.9447, 35.7922



30.0031, 31.9447, 37.6449

Sweetspot

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



31.3514, 31.9461, 33.7924



59.1444, 61.5978, 66.4780



32.1980, 32.2839, 38.2531



12.9908, 13.5379, 14.6184



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.



31.3514, 31.9461, 33.7924



55.5085, 56.2778, 59.2491



32.1728, 33.5888, 34.0662



7.2386, 7.3271, 7.7023



11.7393, 6.0526, 0.5495



0.2467, 0.1273, 0.0116

Inverse Universe

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



31.9403, 34.6416, 38.7217



56.7121, 61.7869, 69.3236



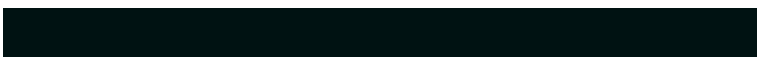
31.0844, 32.9299, 38.4365



7.4022, 8.0760, 9.0718



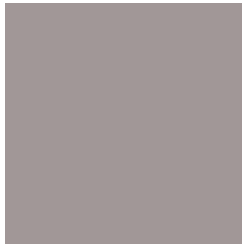
15.3099, 22.3993, 30.4464



0.3218, 0.4708, 0.6398

Previews

White Background



This preview shows how the XYZ color 31.3505, 31.9447, 33.7917 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 31.3505, 31.9447, 33.7917 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

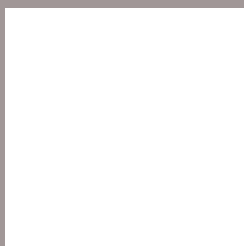
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3505, 31.9447, 33.7917

Background



This preview shows how black text looks on a background with the XYZ color 31.3505, 31.9447, 33.7917.



This preview shows how white text looks on a background with the XYZ color 31.3505, 31.9447,

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

31.3505, 31.9447, 33.7917

Protanopia

30.7690, 32.1174, 34.2833

Deuteranopia

32.6196, 31.8818, 34.1403



Tritanopia

32.0808, 31.7495, 38.1556

Trichromacy



Original Color

31.3505, 31.9447, 33.7917

Protanomaly

30.9963, 31.9926, 34.2473

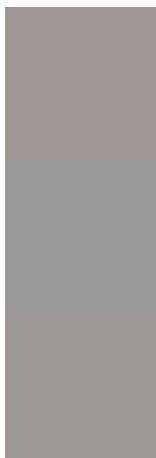
Deuteranomaly

32.1408, 31.8689, 34.1631

Tritanomaly

31.8924, 31.9284, 36.3802

Monochromacy



Original Color

31.3505, 31.9447, 33.7917

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 31.3505, 31.9447, 33.7917 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(161, 151, 151)` looks like.

```
.text, #text, p{  
    color:rgb(161, 151, 151)  
}
```

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(161, 151, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 151, 151) }
```

Border

The CSS property to change the border of an element to XYZ 31.3505, 31.9447, 33.7917 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(161, 151, 151) }
```


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

```
.border{ border-color:rgb(161, 151, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 151, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 151, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 151, 151);  
box-shadow:4px 4px 4px 4px rgb(161, 151,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3505, 31.9447, 33.7917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 151, 151) }
```

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

```
.background{ background-color: rgb(161,  
151, 151) }
```

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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