

Converting Colors

XYZ(31.7825, 32.7164, 33.8099)

Have a look what the booklet for
XYZ(31.7825, 32.7164, 33.8099)
contains.

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Color

**XYZ(31.6751, 32.5939,
33.9000)**

Conversions

Conversions Part 1

Format	Color
Hex	A19997
RGB	161, 153, 151
RGB Percent	63%, 60%, 59%
CMY	0.3686, 0.4000, 0.4078
CMYK	0.00, 0.05, 0.06, 0.37
HSL	12°, 5%, 61%
HSV	12°, 6%, 63%
XYZ	31.6751, 32.5939, 33.9000
YIQ	155.1640, 5.4100, 1.0740

Conversions

Conversions Part 2

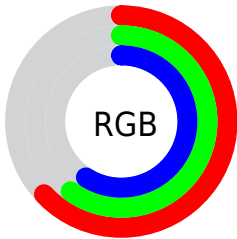
Format	Color
RYB	161, 154, 151
Decimal	10590615
CIELab	63.83, 2.56, 2.09
CIELCh	64, 3.299, 39.215
Yxy	32.5939, 0.3227, 0.3320
Android (android.graphics.Color)	4288780695 (0xFFA19997)
YUV	155.1640, -2.0529, 5.1182
Hunter-Lab	57.0911, -0.8745, 4.7580

Details

The XYZ color **31.6751, 32.5939, 33.9000** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.5937, 33.9483, 38.6061**, and the grayscale version is **31.2362, 32.8629, 35.7877**.

A 20% lighter version of the original color is **61.6512, 63.6324, 66.7905**, and **13.3583, 13.6741, 13.9919** is the 20% darker color. If you saturate the color by 10%, you get **28.4612, 28.1173, 26.8123**, and if you desaturate by 10%, it is **35.2969, 37.5996, 42.0054**.

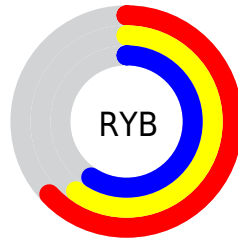
Distribution



Red (63%)

Green (60%)

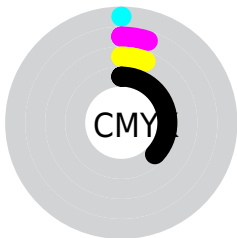
Blue (59%)



Red (63%)

Yellow (60%)

Blue (59%)

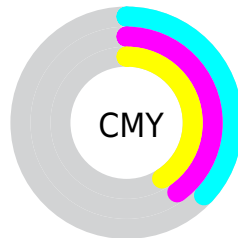


Cyan (0%)

Magenta (5%)

Yellow (6%)

Black (37%)



Cyan (37%)

Magenta (40%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6751, 32.5939, 33.9000 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 31.6751, 32.5939, 33.9000 by changing the saturation by 10% instead.

■ 31.6751, 32.5939,
33.9000

■ 31.6751, 32.5939,
33.9000

301.4082,
313.8158, 334.4415

■ 21.2678, 21.8155,
22.5400

■ 61.6700, 63.7410,
66.9102

■ 13.4335, 13.7214,
14.0522

■ 81.9884, 84.8785,
89.3976

■ 7.8068, 7.9272,
8.0178

106.3411,
110.2378, 116.4312

■ 4.0223, 4.0484,
4.0184

135.0936,
140.2034, 148.4296

■ 1.7148, 1.7007,
1.6354

168.6112,
175.1596, 185.8112

■ 0.4655, 0.4241,
0.3159

207.2593,

■ 0.0000, 0.0000,

215.4908, 228.9948

0.0000

251.4032,
261.5814, 278.3986

■ 31.6751, 32.5939,
33.9000

■ 31.6751, 32.5939,
33.9000

■ 28.4612, 28.1173,
26.8123

■ 35.2969, 37.5996,
42.0054

■ 25.6380, 24.1484,
20.7000

■ 39.3374, 43.1466,
51.1646

■ 23.1913, 20.6703,
15.5209

■ 43.8106, 49.2520,
61.4141

■ 21.1047, 17.6638,
11.2287

■ 48.7290, 55.9309,
72.7883

■ 19.3608, 15.1084,
7.7734

■ 54.1043, 63.1979,
85.3201

■ 17.9407, 12.9818,
5.0997

■ 59.9482, 71.0668,
99.0410

■ 16.8234, 11.2602,
3.1460

■ 64.8386, 78.9780,
106.4347

■ 15.9854, 9.9170,
1.8409

■ 68.5081, 86.3172,
107.6579

■ 15.3970, 8.9214,
1.0857

Harmonies

Analogous

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



31.8675, 32.5939, 35.0821



31.6751, 32.5939, 33.9000



31.2968, 32.5939, 33.1562

Triad

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



31.6751, 32.5939, 33.9000



30.1538, 32.5939, 34.5912



31.1224, 32.5939, 38.0685

Complementary

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



31.6751, 32.5939, 33.9000



31.5937, 33.9483, 38.6061

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.



30.6644, 32.5939, 37.9291



31.6751, 32.5939, 33.9000



30.1082, 32.5939, 35.8995

Square

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



31.6751, 32.5939, 33.9000



30.4195, 32.5939, 33.5484



30.2942, 32.5939, 37.1273



31.5464, 32.5939, 37.5035

Rectangle

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



31.6751, 32.5939, 33.9000



30.9917, 32.5939, 32.9980



30.2942, 32.5939, 37.1273



30.9673, 32.5939, 38.1028

Sweetspot

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



31.6760, 32.5953, 33.9007



59.3449, 61.9987, 66.5449



32.0230, 32.2140, 37.3315



13.0322, 13.6207, 14.6322



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.



31.6760, 32.5953, 33.9007



56.1684, 57.5977, 59.4691



32.5112, 34.2656, 34.1791



7.3281, 7.5063, 7.7322



12.1809, 6.9357, 0.6967



0.2855, 0.2048, 0.0245

Inverse Universe

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



31.5937, 33.9483, 38.6061



56.0001, 60.3629, 69.0862



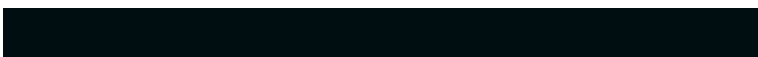
30.7516, 32.2642, 38.3255



7.3052, 7.8821, 9.0394



11.4109, 14.6012, 29.1467



0.2687, 0.3647, 0.6221

Previews

White Background



This preview shows how the XYZ color 31.6751, 32.5939, 33.9000 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 31.6751, 32.5939, 33.9000 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

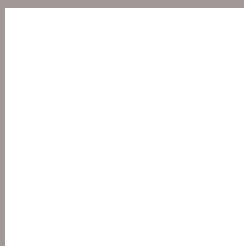
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6751, 32.5939, 33.9000

Background



This preview shows how black text looks on a background with the XYZ color 31.6751, 32.5939, 33.9000.



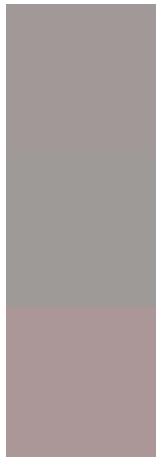
This preview shows how white text looks on a background with the XYZ color 31.6751, 32.5939,

33.9000.

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

31.6751, 32.5939, 33.9000

Protanopia

31.3236, 32.6473, 34.3564

Deuteranopia

33.3684, 32.7376, 34.2660



Tritanopia

32.7817, 32.5641, 39.2080

Trichromacy



Original Color

31.6751, 32.5939, 33.9000

Protanomaly

31.5212, 32.7491, 34.3656

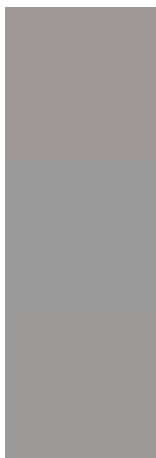
Deuteranomaly

32.6705, 32.6157, 34.2793

Tritanomaly

32.3865, 32.6411, 37.3943

Monochromacy



Original Color

31.6751, 32.5939, 33.9000

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.2930, 32.6124, 35.2174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6751, 32.5939, 33.9000 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, 153, 151)` looks like.

```
.text, #text, p{  
    color:rgb(161, 153, 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, 153, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 153, 151) }
```

Border

The CSS property to change the border of an element to XYZ 31.6751, 32.5939, 33.9000 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, 153, 151) }
```


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

```
.border{ border-color:rgb(161, 153, 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, 153, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 153, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 153, 151);  
box-shadow:4px 4px 4px 4px rgb(161, 153,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6751, 32.5939, 33.9000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 153, 151) }
```

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

```
.background{ background-color: rgb(161,  
153, 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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