

Converting Colors

XYZ(32.0584, 33.2580, 37.0815)

Have a look what the booklet for
XYZ(32.0584, 33.2580, 37.0815)
contains.

XYZ(31.9935, 33.1804, 37.0660)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.9935, 33.1804,
37.0660)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9B9E
RGB	158, 155, 158
RGB Percent	62%, 61%, 62%
CMY	0.3804, 0.3921, 0.3804
CMYK	0.00, 0.02, 0.00, 0.38
HSL	300°, 2%, 61%
HSV	300°, 2%, 62%
XYZ	31.9935, 33.1804, 37.0660
YIQ	156.2390, 0.8250, 1.5690

Conversions

Conversions Part 2

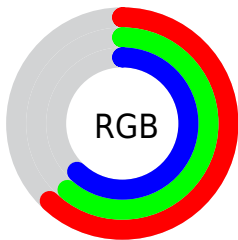
Format	Color
RYB	158, 155, 158
Decimal	10394526
CIELab	64.31, 1.66, -1.19
CIELCh	64, 2.043, 324.440
Yxy	33.1804, 0.3129, 0.3245
Android (android.graphics.Color)	4288584606 (0xFF9E9B9E)
YUV	156.2390, 0.8682, 1.5444
Hunter-Lab	57.6024, -1.6619, 2.1698

Details

The XYZ color **31.9935, 33.1804, 37.0660** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.6621, 33.7898, 35.8654**, and the grayscale version is **31.7034, 33.3545, 36.3230**.

A 20% lighter version of the original color is **62.2513, 64.5512, 72.1294**, and **13.6676, 14.0880, 15.9088** is the 20% darker color. If you saturate the color by 10%, you get **29.5345, 28.2621, 36.2462**, and if you desaturate by 10%, it is **34.7985, 38.7897, 38.0020**.

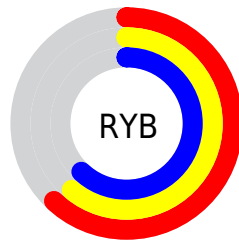
Distribution



Red (62%)

Green (61%)

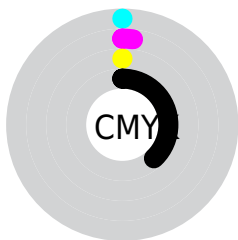
Blue (62%)



Red (62%)

Yellow (61%)

Blue (62%)

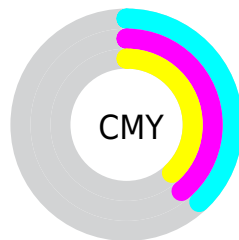


Cyan (0%)

Magenta (2%)

Yellow (0%)

Black (38%)



Cyan (38%)

Magenta (39%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9935, 33.1804, 37.0660 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 31.9935, 33.1804, 37.0660 by changing the saturation by 10% instead.

■ 31.9935, 33.1804,
37.0660

■ 31.9935, 33.1804,
37.0660

302.8355,
316.4618, 348.7735

■ 21.5121, 22.2647,
24.9624

■ 62.1662, 64.6571,
71.8617

■ 13.6134, 14.0515,
15.8303

■ 82.5881, 85.9868,
95.3910

■ 7.9322, 8.1565,
9.2511

107.0542,
111.5567, 123.5658

■ 4.1030, 4.1953,
4.8063

135.9299,
141.7511, 156.8049

■ 1.7606, 1.7834,
2.0773

169.5805,
176.9544, 195.5266

■ 0.4937, 0.4768,
0.6022

208.3714,

■ 0.0000, 0.0000,

217.5510, 240.1496

0.0000

252.6680,
263.9254, 291.0924

■ 31.9935, 33.1804,
37.0660

■ 31.9935, 33.1804,
37.0660

■ 29.5345, 28.2621,
36.2462

■ 34.7985, 38.7897,
38.0020

■ 27.4054, 24.0040,
35.5359

■ 37.9591, 45.1108,
39.0561

■ 25.5930, 20.3794,
34.9312

■ 41.4883, 52.1690,
40.2330

■ 24.0821, 17.3580,
34.4271

■ 45.3973, 59.9869,
41.5366

■ 22.8566, 14.9070,
34.0180

■ 49.6971, 68.5863,
42.9704

■ 21.8983, 12.9906,
33.6980

■ 54.3981, 77.9880,
44.5380

■ 21.1874, 11.5691,
33.4605

■ 56.0333, 81.2582,
45.0836

■ 20.7013, 10.5969,
33.2979

■ 56.0334, 81.2583,
45.0842

■ 20.4129, 10.0203,
33.2012

■ 56.0335, 81.2583,
45.0848

Harmonies

Analogous

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



31.7686, 33.1804, 37.6036



31.9935, 33.1804, 37.0660



32.0961, 33.1804, 36.2830

Triad

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



31.9935, 33.1804, 37.0660



31.5911, 33.1804, 34.5591



31.0313, 33.1804, 36.7936

Complementary

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



31.9935, 33.1804, 37.0660



31.6621, 33.7898, 35.8654

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.



30.9844, 33.1804, 35.9731



31.9935, 33.1804, 37.0660



31.3065, 33.1804, 34.6911

Square

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



31.9935, 33.1804, 37.0660



31.8629, 33.1804, 34.8422



31.0848, 33.1804, 35.2056



31.2133, 33.1804, 37.4447

Rectangle

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



31.9935, 33.1804, 37.0660



32.0809, 33.1804, 35.7304



31.0848, 33.1804, 35.2056



30.9992, 33.1804, 36.5282

Sweetspot

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



31.9944, 33.1818, 37.0667



58.5223, 61.1001, 67.4524



31.4119, 32.8815, 37.0396



13.2003, 13.7879, 15.2092



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.



31.9944, 33.1818, 37.0667



58.0330, 60.1216, 67.2892



31.8662, 33.1305, 36.3914



7.3285, 7.6033, 8.4880



16.2350, 7.7986, 26.5521



0.2903, 0.1394, 0.4748

Inverse Universe

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



31.9944, 33.1818, 37.0667



58.0330, 60.1216, 67.2892



31.7888, 33.8405, 36.5325



7.3285, 7.6033, 8.4880



16.2350, 7.7986, 26.5521



0.2903, 0.1394, 0.4748

Previews

White Background



This preview shows how the XYZ color 31.9935, 33.1804, 37.0660 looks on a white background.

Color Contrast Check

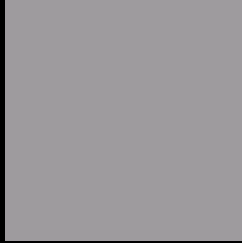
Large Text (above 18pt) WCAG AA × Fail

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 31.9935, 33.1804, 37.0660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

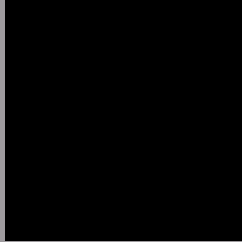
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9935, 33.1804, 37.0660

Background



This preview shows how black text looks on a background with the XYZ color 31.9935, 33.1804, 37.0660.



This preview shows how white text looks on a background with the XYZ color 31.9935, 33.1804,

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

31.9935, 33.1804, 37.0660

Protanopia

31.9935, 33.1804, 37.0660

Deuteranopia

33.9022, 33.1825, 37.4189



Tritanopia

32.7366, 33.2353, 40.7660

Trichromacy



Original Color

31.9935, 33.1804, 37.0660

Protanomaly

31.9935, 33.1804, 37.0660

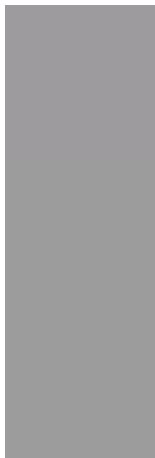
Deuteranomaly

33.2121, 33.0667, 37.4329

Tritanomaly

32.4645, 33.1265, 39.3333

Monochromacy



Original Color

31.9935, 33.1804, 37.0660

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.8789, 33.3794, 36.6609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9935, 33.1804, 37.0660 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(158, 155, 158)` looks like.

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

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

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

Border

The CSS property to change the border of an element to XYZ 31.9935, 33.1804, 37.0660 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(158, 155, 158) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 31.9935, 33.1804, 37.0660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor