

Converting Colors

XYZ(31.0475, 33.0649, 37.1376)

Have a look what the booklet for
XYZ(31.0475, 33.0649, 37.1376)
contains.

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Color

**XYZ(31.1774, 33.2580,
37.1240)**

Conversions

Conversions Part 1

Format	Color
Hex	989D9E
RGB	152, 157, 158
RGB Percent	60%, 62%, 62%
CMY	0.4039, 0.3843, 0.3804
CMYK	0.04, 0.01, 0.00, 0.38
HSL	190°, 3%, 61%
HSV	190°, 4%, 62%
XYZ	31.1774, 33.2580, 37.1240
YIQ	155.6190, -3.3010, -0.7490

Conversions

Conversions Part 2

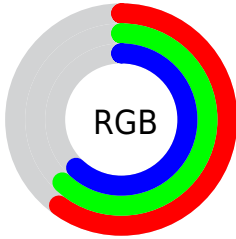
Format	Color
RYB	152, 155, 158
Decimal	10001822
CIELab	64.37, -1.59, -1.15
CIELCh	64, 1.964, 215.950
Yxy	33.2580, 0.3070, 0.3275
Android (android.graphics.Color)	4288191902 (0xFF989D9E)
YUV	155.6190, 1.1738, -3.1739
Hunter-Lab	57.6697, -4.4215, 2.2018

Details

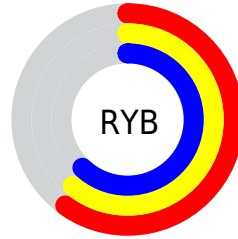
The XYZ color **31.1774, 33.2580, 37.1240** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.1593, 32.3181, 34.3019**, and the grayscale version is **31.4270, 33.0637, 36.0064**.

A 20% lighter version of the original color is **61.0073, 65.0129, 72.2841**, and **13.1747, 14.1363, 15.9441** is the 20% darker color. If you saturate the color by 10%, you get **27.9757, 30.9559, 36.8489**, and if you desaturate by 10%, it is **34.7845, 35.7852, 37.4222**.

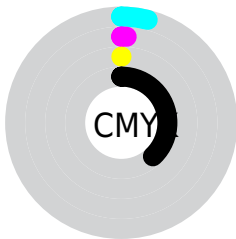
Distribution



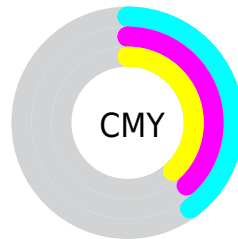
- Red (60%)
- Green (62%)
- Blue (62%)



- Red (60%)
- Yellow (61%)
- Blue (62%)



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (38%)



- Cyan (40%)
- Magenta (38%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1774, 33.2580, 37.1240 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 31.1774, 33.2580, 37.1240 by changing the saturation by 10% instead.

■ 31.1774, 33.2580,
37.1240

■ 31.1774, 33.2580,
37.1240

299.1671,
316.8107, 349.0319

■ 20.8865, 22.3242,
25.0070

■ 60.8932, 64.7781,
71.9519

■ 13.1530, 14.0953,
15.8632

■ 81.0488, 86.1332,
95.4999

■ 7.6117, 8.1870,
9.2741

105.2233,
111.7308, 123.6952

■ 3.8972, 4.2148,
4.8211

133.7821,
141.9553, 156.9565

■ 1.6442, 1.7944,
2.0858

167.0905,
177.1912, 195.7023

■ 0.4209, 0.4837,
0.6073

205.5139,

■ 0.0000, 0.0000,

217.8228, 240.3511

0.0000

249.4176,
264.2345, 291.3215

■ 31.1774, 33.2580,
37.1240

■ 31.1774, 33.2580,
37.1240

■ 27.9757, 30.9559,
36.8489

■ 34.7845, 35.7852,
37.4222

■ 25.1611, 28.8664,
36.5939

■ 38.8089, 38.5408,
37.7420

■ 22.7179, 26.9825,
36.3591

■ 43.2653, 41.5335,
38.0847

■ 20.6285, 25.2949,
36.1435

■ 48.1671, 44.7702,
38.4511

■ 18.8735, 23.7934,
35.9462

■ 53.5270, 48.2576,
38.8418

■ 17.4319, 22.4673,
35.7662

■ 59.3571, 52.0020,
39.2572

■ 16.2801, 21.3042,
35.6024

■ 62.8169, 54.5391,
39.5646

■ 15.3911, 20.2901,
35.4535

■ 63.3345, 55.5743,
39.7371

■ 14.7326, 19.4084,
35.3180

■ 63.8621, 56.6295,
39.9130

Harmonies

Analogous

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



31.0789, 33.2580, 36.3722



31.1774, 33.2580, 37.1240



31.3921, 33.2580, 37.6370

Triad

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



31.1774, 33.2580, 37.1240



32.1043, 33.2580, 36.8436



31.5550, 33.2580, 34.7020

Complementary

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



31.1774, 33.2580, 37.1240



31.1593, 32.3181, 34.3019

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.



31.8304, 33.2580, 34.8241



31.1774, 33.2580, 37.1240



32.1486, 33.2580, 36.0529

Square

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



31.1774, 33.2580, 37.1240



31.9275, 33.2580, 37.4734



32.0481, 33.2580, 35.3157



31.2961, 33.2580, 34.9798

Rectangle

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



31.1774, 33.2580, 37.1240



31.5728, 33.2580, 37.7704



32.0481, 33.2580, 35.3157



31.6487, 33.2580, 34.6977

Sweetspot

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



31.1783, 33.2594, 37.1247



58.3635, 61.6312, 67.5634



30.9177, 33.4262, 34.9165



13.1666, 13.9007, 15.2328



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.



31.1783, 33.2594, 37.1247



55.8219, 59.8317, 67.3500



30.6930, 32.2887, 36.9629



7.0039, 7.5193, 8.4889



11.5475, 15.1865, 28.2299



0.2292, 0.3170, 0.5123

Inverse Universe

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



31.4153, 32.1604, 36.4519



56.3961, 57.1807, 65.7169



31.6402, 33.2800, 34.4622



7.0825, 7.1569, 8.2651



14.6268, 7.1553, 18.0838



0.2730, 0.1325, 0.3838

Previews

White Background



This preview shows how the XYZ color 31.1774, 33.2580, 37.1240 looks on a white background.

Color Contrast Check

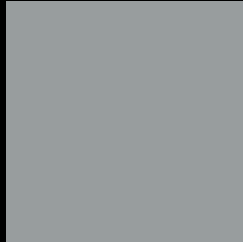
Large Text (above 18pt) WCAG AA × Fail

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 31.1774, 33.2580, 37.1240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

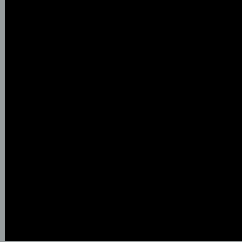
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

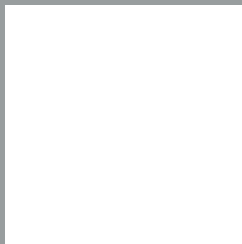
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1774, 33.2580, 37.1240

Background



This preview shows how black text looks on a background with the XYZ color 31.1774, 33.2580, 37.1240.



This preview shows how white text looks on a background with the XYZ color 31.1774, 33.2580,

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

31.1774, 33.2580, 37.1240

Protanopia

31.9077, 33.1461, 36.6144

Deuteranopia

33.6868, 33.0714, 37.4088



Tritanopia

32.1157, 33.1399, 41.7497

Trichromacy



Original Color

31.1774, 33.2580, 37.1240

Protanomaly

31.6846, 33.2792, 36.6519

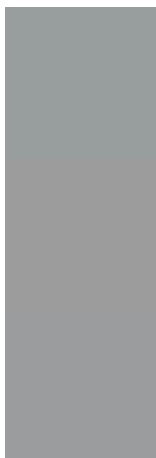
Deuteranomaly

32.7535, 33.0722, 37.4582

Tritanomaly

31.7262, 33.2296, 39.8638

Monochromacy



Original Color

31.1774, 33.2580, 37.1240

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.4918, 33.1798, 36.6428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1774, 33.2580, 37.1240 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(152, 157, 158)` looks like.

```
.text, #text, p{  
    color:rgb(152, 157, 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(152, 157, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 157, 158) }
```

Border

The CSS property to change the border of an element to XYZ 31.1774, 33.2580, 37.1240 is called "border". The border property can be set on classes, ids or directly on the HTML element.

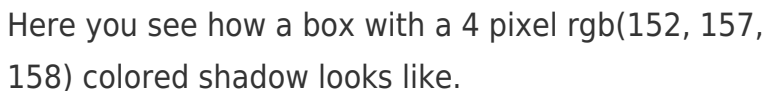
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(152, 157, 158) }
```


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

```
.border{ border-color:rgb(152, 157, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(152, 157, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 157, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 157, 158); box-shadow:4px 4px 4px 4px rgb(152, 157, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1774, 33.2580, 37.1240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 157, 158) }
```

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

```
.background{ background-color: rgb(152,  
157, 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](#).

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