

Converting Colors

XYZ(31.8076, 32.5753, 37.8692)

Have a look what the booklet for
XYZ(31.8076, 32.5753, 37.8692)
contains.

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Color

**XYZ(31.8369, 32.5896,
37.8701)**

Conversions

Conversions Part 1

Format	Color
Hex	9E99A0
RGB	158, 153, 160
RGB Percent	62%, 60%, 63%
CMY	0.3804, 0.4000, 0.3725
CMYK	0.01, 0.04, 0.00, 0.37
HSL	283°, 4%, 61%
HSV	283°, 4%, 63%
XYZ	31.8369, 32.5896, 37.8701
YIQ	155.2930, 0.7330, 3.2370

Conversions

Conversions Part 2

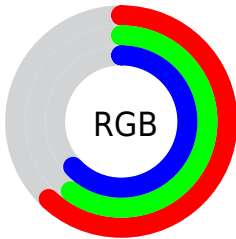
Format	Color
RYB	158, 153, 160
Decimal	10394016
CIELab	63.83, 3.16, -3.02
CIELCh	64, 4.370, 316.326
Yxy	32.5896, 0.3112, 0.3186
Android (android.graphics.Color)	4288584096 (0xFF9E99A0)
YUV	155.2930, 2.3206, 2.3740
Hunter-Lab	57.0873, -0.3555, 0.6298

Details

The XYZ color **31.8369, 32.5896, 37.8701** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.8394, 34.4109, 35.1025**, and the grayscale version is **31.2760, 32.9048, 35.8334**.

A 20% lighter version of the original color is **62.0191, 63.6781, 73.3123**, and **13.5751, 13.7327, 16.4032** is the 20% darker color. If you saturate the color by 10%, you get **28.5092, 27.2445, 37.0143**, and if you desaturate by 10%, it is **35.5512, 38.6571, 38.8460**.

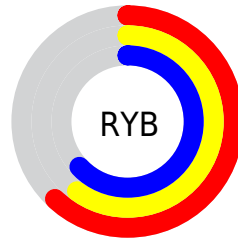
Distribution



Red (62%)

Green (60%)

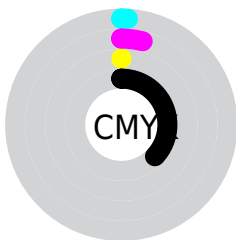
Blue (63%)



Red (62%)

Yellow (60%)

Blue (63%)

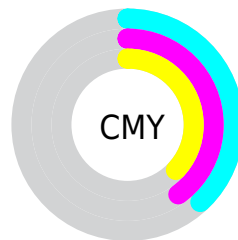


Cyan (1%)

Magenta (4%)

Yellow (0%)

Black (37%)



Cyan (38%)

Magenta (40%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8369, 32.5896, 37.8701 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 31.8369, 32.5896, 37.8701 by changing the saturation by 10% instead.

■ 31.8369, 32.5896,
37.8701

■ 31.8369, 32.5896,
37.8701

302.1341,
313.7964, 352.3439

■ 21.3919, 21.8122,
25.5808

■ 61.9222, 63.7343,
73.1102

■ 13.5249, 13.7190,
16.2874

■ 82.2933, 84.8703,
96.8981

■ 7.8704, 7.9255,
9.5712

106.7037,
110.2281, 125.3560

■ 4.0633, 4.0473,
5.0137

135.5189,
140.1920, 158.9024

■ 1.7380, 1.7001,
2.1964

169.1041,
175.1464, 197.9559

■ 0.4799, 0.4237,
0.6723

207.8249,

■ 0.0000, 0.0000,

215.4756, 242.9349

0.0000

252.0464,
261.5642, 294.2580

■ 31.8369, 32.5896,
37.8701

■ 31.8369, 32.5896,
37.8701

■ 28.5092, 27.2445,
37.0143

■ 35.5512, 38.6571,
38.8460

■ 25.5509, 22.5896,
36.2717

■ 39.6626, 45.4693,
39.9442

■ 22.9479, 18.5966,
35.6382

■ 44.1849, 53.0524,
41.1695

■ 20.6839, 15.2335,
35.1083

■ 49.1303, 61.4304,
42.5260

■ 18.7413, 12.4657,
34.6765

■ 54.5104, 70.6261,
44.0174

■ 17.1007, 10.2550,
34.3363

■ 60.3365, 80.6614,
45.6473

■ 15.7406, 8.5589,
34.0806

■ 63.3441, 85.0071,
46.3276

■ 14.6363, 7.3284,
33.9013

■ 64.5046, 85.6054,
46.3819

■ 13.7577, 6.5044,
33.7885

■ 65.7012, 86.2223,
46.4379

Harmonies

Analogous

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



31.3084, 32.5896, 38.8280



31.8369, 32.5896, 37.8701



32.1364, 32.5896, 36.2895

Triad

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



31.8369, 32.5896, 37.8701



31.2553, 32.5896, 32.3007



29.8566, 32.5896, 36.4432

Complementary

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



31.8369, 32.5896, 37.8701



31.8394, 34.4109, 35.1025

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.



29.8428, 32.5896, 34.6915



31.8369, 32.5896, 37.8701



30.6449, 32.5896, 32.3387

Square

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



31.8369, 32.5896, 37.8701



31.7976, 32.5896, 33.0956



30.1297, 32.5896, 33.2013



30.1676, 32.5896, 37.9857

Rectangle

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



31.8369, 32.5896, 37.8701



32.1633, 32.5896, 35.1134



30.1297, 32.5896, 33.2013



29.8172, 32.5896, 35.8583

Sweetspot

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



31.8378, 32.5910, 37.8708



59.9899, 62.7212, 69.3311



31.2213, 32.7877, 37.9413



13.1654, 13.7700, 15.2076



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.



31.8378, 32.5910, 37.8708



57.3474, 58.4299, 68.6421



32.1127, 32.7468, 37.2481



6.9993, 7.1107, 8.4103



10.4203, 4.8009, 26.2847



0.2254, 0.1060, 0.4718

Inverse Universe

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



31.8060, 32.6241, 35.6327



57.2819, 58.5005, 63.9224



31.5749, 34.2612, 35.6971



6.9907, 7.1202, 7.7820



11.6901, 5.9806, 2.6194



0.2259, 0.1137, 0.1356

Previews

White Background



This preview shows how the XYZ color 31.8369, 32.5896, 37.8701 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 31.8369, 32.5896, 37.8701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

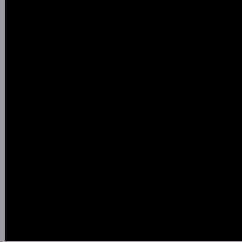
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8369, 32.5896, 37.8701

Background



This preview shows how black text looks on a background with the XYZ color 31.8369, 32.5896, 37.8701.



This preview shows how white text looks on a background with the XYZ color 31.8369, 32.5896,

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

31.8369, 32.5896, 37.8701

Protanopia

31.6111, 32.7172, 37.9067

Deuteranopia

33.2757, 32.6014, 38.2571



Tritanopia

32.2272, 32.5077, 39.6980

Trichromacy



Original Color

31.8369, 32.5896, 37.8701

Protanomaly

31.8054, 32.8174, 37.9158

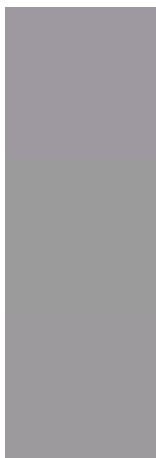
Deuteranomaly

32.8095, 32.5989, 38.2812

Tritanomaly

32.1372, 32.4717, 39.2242

Monochromacy



Original Color

31.8369, 32.5896, 37.8701

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.3517, 32.6134, 36.5409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8369, 32.5896, 37.8701 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, 153, 160)` looks like.

```
.text, #text, p{  
    color:rgb(158, 153, 160)  
}
```

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, 153, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 153, 160) }
```

Border

The CSS property to change the border of an element to XYZ 31.8369, 32.5896, 37.8701 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, 153, 160) }
```


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

```
.border{ border-color:rgb(158, 153, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 153, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 153, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 153, 160);  
box-shadow:4px 4px 4px 4px rgb(158, 153,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8369, 32.5896, 37.8701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 153, 160) }
```

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

```
.background{ background-color: rgb(158,  
153, 160) }
```

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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