

Converting Colors

XYZ(30.1989, 32.0386, 31.2438)

Have a look what the booklet for
XYZ(30.1989, 32.0386, 31.2438)
contains.

XYZ(30.3767, 32.2235, 31.4068)	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(30.3767, 32.2235,
31.4068)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9A91
RGB	156, 154, 145
RGB Percent	61%, 60%, 57%
CMY	0.3882, 0.3961, 0.4314
CMYK	0.00, 0.01, 0.07, 0.39
HSL	49°, 5%, 59%
HSV	49°, 7%, 61%
XYZ	30.3767, 32.2235, 31.4068
YIQ	153.5720, 4.0810, -2.3750

Conversions

Conversions Part 2

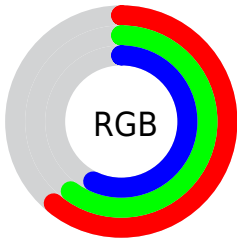
Format	Color
RYB	147, 156, 145
Decimal	10263185
CIELab	63.53, -0.94, 4.97
CIElCh	64, 5.058, 100.688
Yxy	32.2235, 0.3231, 0.3428
Android (android.graphics.Color)	4288453265 (0xFF9C9A91)
YUV	153.5720, -4.2260, 2.1294
Hunter-Lab	56.7657, -3.8205, 6.9326

Details

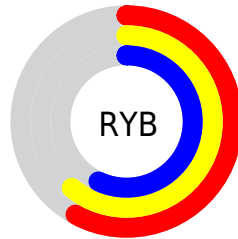
The XYZ color **30.3767, 32.2235, 31.4068** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.1114, 29.2868, 35.6240**, and the grayscale version is **30.5451, 32.1358, 34.9959**.

A 20% lighter version of the original color is **59.4430, 62.9369, 63.0479**, and **12.7415, 13.5300, 12.7665** is the 20% darker color. If you saturate the color by 10%, you get **28.7940, 30.8525, 25.3465**, and if you desaturate by 10%, it is **32.1374, 33.6854, 38.3422**.

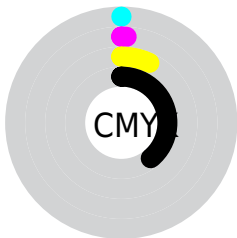
Distribution



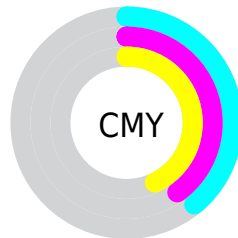
- Red (61%)
- Green (60%)
- Blue (57%)



- Red (58%)
- Yellow (61%)
- Blue (57%)



- Cyan (0%)
- Magenta (1%)
- Yellow (7%)
- Black (39%)



- Cyan (39%)
- Magenta (40%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3767, 32.2235, 31.4068 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 30.3767, 32.2235, 31.4068 by changing the saturation by 10% instead.

■ 30.3767, 32.2235,
31.4068

■ 30.3767, 32.2235,
31.4068

295.5348,
312.1361, 322.8171

■ 20.2742, 21.5323,
20.6478

■ 59.6399, 63.1613,
62.9670

■ 12.7039, 13.5136,
12.6780

■ 79.5314, 84.1767,
84.6053

■ 7.3006, 7.7832,
7.0791

103.4165,
109.4022, 110.7071

■ 3.6988, 3.9565,
3.4324

131.6607,
139.2223, 141.6909

■ 1.5332, 1.6493,
1.3195

164.6292,
174.0213, 177.9752

■ 0.3482, 0.3905,
0.0776

202.6875,

■ 0.0000, 0.0000,

214.1837, 219.9787

0.0000

246.2009,
260.0938, 268.1198

■ 30.3767, 32.2235,
31.4068

■ 30.3767, 32.2235,
31.4068

■ 28.7940, 30.8525,
25.3465

■ 32.1374, 33.6854,
38.3422

■ 27.3799, 29.5655,
20.1239

■ 34.0799, 35.2367,
46.1839

■ 26.1281, 28.3608,
15.7022

■ 36.2110, 36.8813,
54.9641

■ 25.0307, 27.2351,
12.0407

■ 38.5366, 38.6218,
64.7127

■ 24.0794, 26.1850,
9.0954

■ 41.0621, 40.4603,
75.4584

■ 23.2648, 25.2066,
6.8177

■ 43.7928, 42.3991,
87.2287

■ 22.5765, 24.2956,
5.1528

■ 46.7339, 44.4403,
100.0499

■ 22.0024, 23.4471,
4.0373

■ 47.4143, 45.5958,
100.9096

■ 21.5232, 22.6532,
3.3702

■ 47.9779, 46.7230,
101.0975

Harmonies

Analogous

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



31.0781, 32.2235, 31.5474



30.3767, 32.2235, 31.4068



29.7520, 32.2235, 32.2230

Triad

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



30.3767, 32.2235, 31.4068



29.6108, 32.2235, 37.6788



31.9250, 32.2235, 36.3859

Complementary

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



30.3767, 32.2235, 31.4068



28.1114, 29.2868, 35.6240

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.



31.5199, 32.2235, 38.1135



30.3767, 32.2235, 31.4068



30.1812, 32.2235, 38.8796

Square

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



30.3767, 32.2235, 31.4068



29.3143, 32.2235, 35.8110



30.8796, 32.2235, 39.0417



31.9792, 32.2235, 34.3707

Rectangle

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



30.3767, 32.2235, 31.4068



29.4603, 32.2235, 33.2190



30.8796, 32.2235, 39.0417



31.8250, 32.2235, 37.0215

Sweetspot

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



30.3776, 32.2249, 31.4075



56.7351, 59.8383, 63.1543



29.1038, 29.4263, 31.7569



12.4929, 13.1742, 13.9309



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.3776, 32.2249, 31.4075



54.8400, 58.2455, 55.7484



30.0454, 32.5469, 31.4871



7.0677, 7.5155, 7.0638



17.6408, 18.5172, 2.6444



0.3398, 0.3799, 0.0554

Inverse Universe

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



28.1114, 29.2868, 35.6240



50.1122, 52.1160, 64.5449



28.4269, 28.9926, 35.5505



6.3773, 6.6204, 8.3484



5.3103, 2.7122, 26.1509



0.1185, 0.0956, 0.4754

Previews

White Background



This preview shows how the XYZ color 30.3767, 32.2235, 31.4068 looks on a white background.

Color Contrast Check

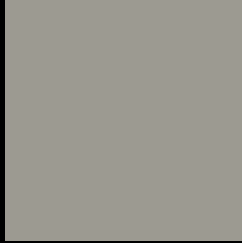
Large Text (above 18pt) WCAG AA × Fail

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 30.3767, 32.2235, 31.4068 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

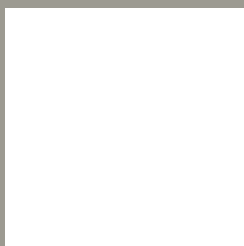
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3767, 32.2235, 31.4068

Background



This preview shows how black text looks on a background with the XYZ color 30.3767, 32.2235, 31.4068.



This preview shows how white text looks on a background with the XYZ color 30.3767, 32.2235,

31.4068.

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

30.3767, 32.2235, 31.4068

Protanopia

30.8001, 32.1977, 31.3795

Deuteranopia

32.7303, 32.2281, 31.6897



Tritanopia

31.9755, 32.1485, 39.1703

Trichromacy



Original Color

30.3767, 32.2235, 31.4068

Protanomaly

30.6026, 32.0959, 31.3703

Deuteranomaly

31.9808, 32.3155, 31.7461

Tritanomaly

31.3295, 32.1259, 36.0022

Monochromacy



Original Color

30.3767, 32.2235, 31.4068

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.6591, 32.3141, 33.8995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3767, 32.2235, 31.4068 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(156, 154, 145)` looks like.

```
.text, #text, p{  
    color:rgb(156, 154, 145)  
}
```

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(156, 154, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 154, 145) }
```

Border

The CSS property to change the border of an element to XYZ 30.3767, 32.2235, 31.4068 is called "border". The border property can be set on classes, ids or directly on the HTML element.

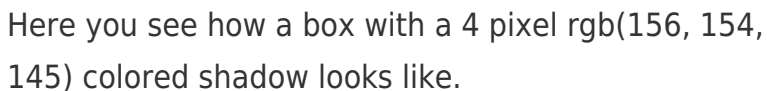
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 154, 145) }
```


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

```
.border{ border-color:rgb(156, 154, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 154, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 154, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 154, 145); box-shadow:4px 4px 4px 4px rgb(156, 154, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3767, 32.2235, 31.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 154, 145) }
```

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

```
.background{ background-color: rgb(156,  
154, 145) }
```

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