

Converting Colors

XYZ(31.4557, 37.0504, 32.8705)

Have a look what the booklet for
XYZ(31.4557, 37.0504, 32.8705)
contains.

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Color

**XYZ(31.4171, 36.9358,
32.6676)**

Conversions

Conversions Part 1

Format	Color
Hex	92AA92
RGB	146, 170, 146
RGB Percent	57%, 67%, 57%
CMY	0.4274, 0.3333, 0.4274
CMYK	0.14, 0.00, 0.14, 0.33
HSL	120°, 12%, 62%
HSV	120°, 14%, 67%
XYZ	31.4171, 36.9358, 32.6676
YIQ	160.0880, -6.6000, -12.5520

Conversions

Conversions Part 2

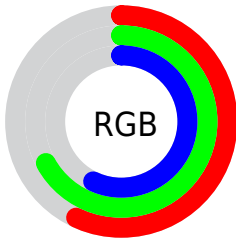
Format	Color
RYB	146, 170, 170
Decimal	9611922
CIELab	67.23, -13.03, 9.61
CIELCh	67, 16.193, 143.606
Yxy	36.9358, 0.3110, 0.3656
Android (android.graphics.Color)	4287802002 (0xFF92AA92)
YUV	160.0880, -6.9454, -12.3552
Hunter-Lab	60.7748, -14.0817, 10.6729

Details

The XYZ color **31.4171, 36.9358, 32.6676** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.1135, 32.0069, 42.4119**, and the grayscale version is **33.4882, 35.2322, 38.3679**.

A 20% lighter version of the original color is **61.1700, 70.2999, 64.9888**, and **13.2633, 16.2160, 13.2574** is the 20% darker color. If you saturate the color by 10%, you get **27.3913, 35.0031, 26.0819**, and if you desaturate by 10%, it is **36.0910, 39.1820, 40.3117**.

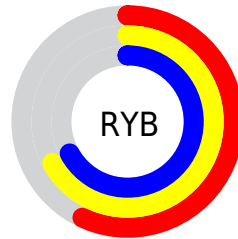
Distribution



Red (57%)

Green (67%)

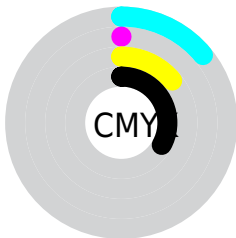
Blue (57%)



Red (57%)

Yellow (67%)

Blue (67%)

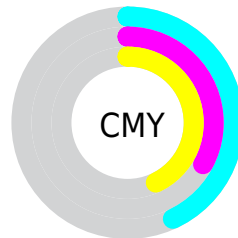


Cyan (14%)

Magenta (0%)

Yellow (14%)

Black (33%)



Cyan (43%)

Magenta (33%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4171, 36.9358, 32.6676 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 31.4171, 36.9358, 32.6676 by changing the saturation by 10% instead.

■ 31.4171, 36.9358,
32.6676

■ 31.4171, 36.9358,
32.6676

300.2480,
333.0325, 328.7352

■ 21.0700, 25.1578,
21.6029

■ 61.2675, 70.4740,
64.9662

■ 13.2880, 16.1947,
13.3699

■ 81.5016, 93.0030,
87.0373

■ 7.7055, 9.6620,
7.5500

105.7621,
119.8845, 113.6141

■ 3.9573, 5.1754,
3.7248

134.4144,
151.5028, 145.1154

■ 1.6780, 2.3506,
1.4756

167.8237,
188.2424, 181.9596

■ 0.4424, 0.8003,
0.1997

206.3556,

■ 0.0000, 0.0000,

230.4876, 224.5653

0.0000

250.3752,
278.6228, 273.3510

■ 31.4171, 36.9358,
32.6676

■ 31.4171, 36.9358,
32.6676

■ 27.3913, 35.0031,
26.0819

■ 36.0910, 39.1820,
40.3117

■ 23.9823, 33.3656,
20.5058

■ 41.4366, 41.7498,
49.0554

■ 21.1604, 32.0101,
15.8901

■ 47.4802, 44.6528,
58.9406

■ 18.8925, 30.9207,
12.1805

■ 54.2456, 47.9026,
70.0065

■ 17.1422, 30.0799,
9.3176

■ 61.7554, 51.5100,
82.2901

■ 15.8688, 29.4682,
7.2345

■ 70.0316, 55.4854,
95.8270

■ 15.0253, 29.0631,
5.8548

■ 73.6655, 57.2309,
101.7718

■ 14.5554, 28.8374,
5.0862

■ 14.3755, 28.7509,
4.7919

Harmonies

Analogous

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



33.2369, 36.9358, 28.9870



31.4171, 36.9358, 32.6676



30.5909, 36.9358, 38.7196

Triad

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



31.4171, 36.9358, 32.6676



34.5796, 36.9358, 55.3207



39.6450, 36.9358, 35.0075

Complementary

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



31.4171, 36.9358, 32.6676



34.1135, 32.0069, 42.4119

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.



40.0457, 36.9358, 41.7521



31.4171, 36.9358, 32.6676



37.0446, 36.9358, 54.0265

Square

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



31.4171, 36.9358, 32.6676



32.3606, 36.9358, 52.2016



39.0737, 36.9358, 48.8477



38.0032, 36.9358, 30.2230

Rectangle

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



31.4171, 36.9358, 32.6676



30.6857, 36.9358, 43.5054



39.0737, 36.9358, 48.8477



39.9324, 36.9358, 37.0983

Sweetspot

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



31.4181, 36.9374, 32.6684



65.5223, 71.1083, 73.2068



36.1423, 39.3728, 32.8893



14.4628, 15.7859, 16.0818



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.4181, 36.9374, 32.6684



54.5471, 65.8364, 55.2551



32.4015, 37.3307, 37.8467



7.4368, 8.4078, 8.0202



10.5742, 21.1485, 3.5248



0.2573, 0.5145, 0.0858

Inverse Universe

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



34.1135, 32.0069, 42.4119



60.4115, 55.1091, 76.4544



33.0292, 31.5732, 36.7023



7.8419, 7.6666, 9.4848



17.5318, 8.4214, 28.6757



0.4266, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 31.4171, 36.9358, 32.6676 looks on a white background.

Color Contrast Check

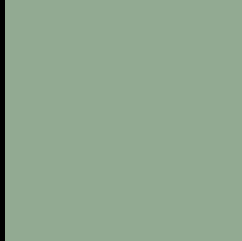
Large Text (above 18pt) WCAG AA × Fail

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 31.4171, 36.9358, 32.6676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

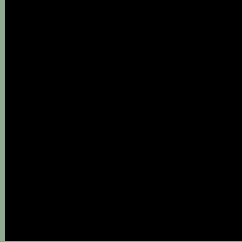
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4171, 36.9358, 32.6676

Background



This preview shows how black text looks on a background with the XYZ color 31.4171, 36.9358, 32.6676.



This preview shows how white text looks on a background with the XYZ color 31.4171, 36.9358,

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

31.4171, 36.9358, 32.6676

Protanopia

34.7743, 36.8053, 30.8625

Deuteranopia

37.6593, 36.9379, 33.5786



Tritanopia

34.3543, 36.7442, 47.9295

Trichromacy



Original Color

31.4171, 36.9358, 32.6676

Protanomaly

33.4944, 36.9370, 31.3508

Deuteranomaly

35.0602, 36.6367, 33.2407

Tritanomaly

33.1882, 36.8170, 41.9164

Monochromacy



Original Color

31.4171, 36.9358, 32.6676

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.7094, 35.8860, 36.2131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4171, 36.9358, 32.6676 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(146, 170, 146)` looks like.

```
.text, #text, p{  
    color:rgb(146, 170, 146)  
}
```

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(146, 170, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 170, 146) }
```

Border

The CSS property to change the border of an element to XYZ 31.4171, 36.9358, 32.6676 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(146, 170, 146) }
```


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

```
.border{ border-color:rgb(146, 170, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 170, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 170, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 170, 146);  
box-shadow:4px 4px 4px 4px rgb(146, 170,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4171, 36.9358, 32.6676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 170, 146) }
```

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

```
.background{ background-color: rgb(146,  
170, 146) }
```

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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