

Converting Colors

XYZ(30.8335, 31.1482, 42.9298)

Have a look what the booklet for
XYZ(30.8335, 31.1482, 42.9298)
contains.

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Color

**XYZ(30.8347, 31.2370,
42.9323)**

Conversions

Conversions Part 1

Format	Color
Hex	9696AB
RGB	150, 150, 171
RGB Percent	59%, 59%, 67%
CMY	0.4118, 0.4118, 0.3294
CMYK	0.12, 0.12, 0.00, 0.33
HSL	240°, 11%, 63%
HSV	240°, 12%, 67%
XYZ	30.8347, 31.2370, 42.9323
YIQ	152.3940, -6.7410, 6.5310

Conversions

Conversions Part 2

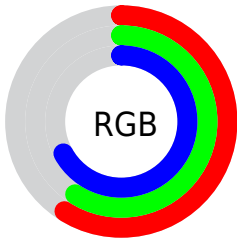
Format	Color
RYB	150, 150, 171
Decimal	9868971
CIELab	62.71, 4.31, -10.96
CIELCh	63, 11.771, 291.456
Yxy	31.2370, 0.2937, 0.2975
Android (android.graphics.Color)	4288059051 (0xFF9696AB)
YUV	152.3940, 9.1728, -2.0995
Hunter-Lab	55.8901, 0.6713, -6.4209

Details

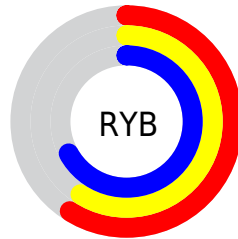
The XYZ color **30.8347, 31.2370, 42.9323** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.8627, 39.9855, 34.6299**, and the grayscale version is **29.9797, 31.5410, 34.3481**.

A 20% lighter version of the original color is **60.2222, 61.5141, 80.6509**, and **12.9372, 12.9082, 19.2624** is the 20% darker color. If you saturate the color by 10%, you get **25.3826, 24.6679, 41.9522**, and if you desaturate by 10%, it is **37.1460, 38.8417, 44.0680**.

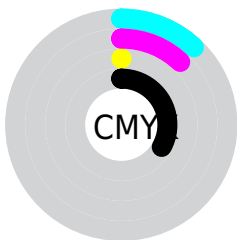
Distribution



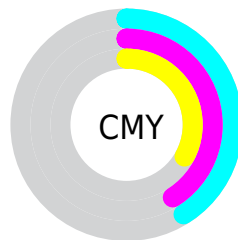
- Red (59%)
- Green (59%)
- Blue (67%)



- Red (59%)
- Yellow (59%)
- Blue (67%)



- Cyan (12%)
- Magenta (12%)
- Yellow (0%)
- Black (33%)



- Cyan (41%)
- Magenta (41%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8347, 31.2370, 42.9323 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 30.8347, 31.2370, 42.9323 by changing the saturation by 10% instead.

■ 30.8347, 31.2370,
42.9323

■ 30.8347, 31.2370,
42.9323

297.6166,
307.6287, 374.2463

■ 20.6242, 20.7794,
29.5010

■ 60.3573, 61.6130,
80.8939

■ 12.9605, 12.9628,
19.2113

■ 80.4002, 82.3002,
106.2614

■ 7.4782, 7.4030,
11.6447

104.4513,
107.1660, 136.4446

■ 3.8119, 3.7154,
6.3827

132.8758,
136.5949, 171.8621

■ 1.5963, 1.5156,
3.0066

166.0393,
170.9712, 212.9325

■ 0.3900, 0.2997,
1.0980

204.3070,

■ 0.0000, 0.0000,

210.6793, 260.0743

0.0000

248.0443,
256.1037, 313.7061

■ 30.8347, 31.2370,
42.9323

■ 30.8347, 31.2370,
42.9323

■ 25.3826, 24.6679,
41.9522

■ 37.1460, 38.8417,
44.0680

■ 20.7500, 19.0860,
41.1189

■ 44.3484, 47.5198,
45.3634

■ 16.8980, 14.4447,
40.4261

■ 52.4757, 57.3124,
46.8252

■ 13.7838, 10.6923,
39.8659

■ 61.5591, 68.2568,
48.4590

■ 11.3602, 7.7719,
39.4300

■ 71.6281, 80.3888,
50.2700

■ 9.5748, 5.6205,
39.1088

■ 82.7113, 93.7427,
52.2634

■ 8.3673, 4.1654,
38.8916

■ 84.3508, 95.7203,
52.5587

■ 7.6664, 3.3208,
38.7655

■ 7.3510, 2.9407,
38.7088

Harmonies

Analogous

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



29.2330, 31.2370, 43.5368



30.8347, 31.2370, 42.9323



32.1732, 31.2370, 39.8304

Triad

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



30.8347, 31.2370, 42.9323



31.6575, 31.2370, 27.5482



26.7373, 31.2370, 32.7137

Complementary

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



30.8347, 31.2370, 42.9323



36.8627, 39.9855, 34.6299

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.



27.3377, 31.2370, 28.7893



30.8347, 31.2370, 42.9323



30.1514, 31.2370, 25.9884

Square

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



30.8347, 31.2370, 42.9323



32.6600, 31.2370, 30.8759



28.5737, 31.2370, 26.4213



26.9054, 31.2370, 37.3531

Rectangle

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



30.8347, 31.2370, 42.9323



32.7173, 31.2370, 36.9051



28.5737, 31.2370, 26.4213



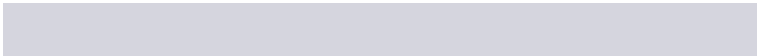
26.8551, 31.2370, 31.2738

Sweetspot

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



30.8356, 31.2383, 42.9330



64.3868, 66.9853, 78.5378



34.4585, 38.5374, 43.9762



14.1651, 14.7050, 17.4794



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.



30.8356, 31.2383, 42.9330



52.1516, 52.2431, 76.3371



32.7848, 32.2426, 43.0241



7.5790, 7.7574, 10.0506



5.5415, 2.2169, 29.1803



0.1542, 0.0617, 0.8118

Inverse Universe

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



33.2067, 32.6733, 33.4121



57.3234, 55.3732, 55.5699



34.7362, 38.8899, 34.5305



8.0053, 8.0154, 8.3387



12.6607, 6.5268, 0.5929



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 30.8347, 31.2370, 42.9323 looks on a white background.

Color Contrast Check

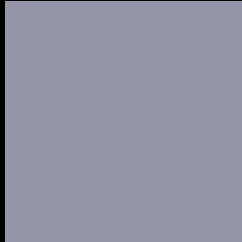
Large Text (above 18pt) WCAG AA × Fail

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 30.8347, 31.2370, 42.9323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

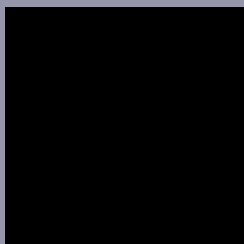
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8347, 31.2370, 42.9323

Background



This preview shows how black text looks on a background with the XYZ color 30.8347, 31.2370, 42.9323.



This preview shows how white text looks on a background with the XYZ color 30.8347, 31.2370,

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

30.8347, 31.2370, 42.9323

Protanopia

30.4698, 31.0489, 42.9152

Deuteranopia

31.8452, 31.2882, 42.8889



Tritanopia

30.0719, 31.1671, 39.0812

Trichromacy



Original Color

30.8347, 31.2370, 42.9323

Protanomaly

30.6515, 31.1425, 42.9237

Deuteranomaly

31.4246, 31.3052, 42.9143

Tritanomaly

30.3440, 31.2760, 40.5140

Monochromacy



Original Color

30.8347, 31.2370, 42.9323

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.0871, 31.2157, 37.2404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8347, 31.2370, 42.9323 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(150, 150, 171)` looks like.

```
.text, #text, p{  
    color:rgb(150, 150, 171)  
}
```

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(150, 150, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 150, 171) }
```

Border

The CSS property to change the border of an element to XYZ 30.8347, 31.2370, 42.9323 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(150, 150, 171) }
```


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

```
.border{ border-color:rgb(150, 150, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 150, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 150, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 150, 171);  
box-shadow:4px 4px 4px 4px rgb(150, 150,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8347, 31.2370, 42.9323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 150, 171) }
```

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

```
.background{ background-color: rgb(150,  
150, 171) }
```

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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