

Converting Colors

XYZ(29.9538, 30.3349, 42.7161)

Have a look what the booklet for
XYZ(29.9538, 30.3349, 42.7161)
contains.

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Color

**XYZ(29.9732, 30.3231,
42.8013)**

Conversions

Conversions Part 1

Format	Color
Hex	9394AB
RGB	147, 148, 171
RGB Percent	58%, 58%, 67%
CMY	0.4235, 0.4196, 0.3294
CMYK	0.14, 0.13, 0.00, 0.33
HSL	237°, 12%, 62%
HSV	237°, 14%, 67%
XYZ	29.9732, 30.3231, 42.8013
YIQ	150.3230, -7.9790, 6.9410

Conversions

Conversions Part 2

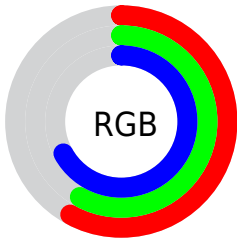
Format	Color
RYB	147, 148, 171
Decimal	9671851
CIELab	61.93, 4.42, -12.14
CIELCh	62, 12.921, 289.990
Yxy	30.3231, 0.2907, 0.2941
Android (android.graphics.Color)	4287861931 (0xFF9394AB)
YUV	150.3230, 10.1938, -2.9143
Hunter-Lab	55.0664, 0.7931, -7.5377

Details

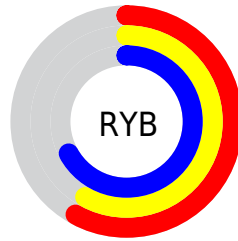
The XYZ color **29.9732, 30.3231, 42.8013** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.4360, 39.5139, 33.3110**, and the grayscale version is **29.0878, 30.6026, 33.3262**.

A 20% lighter version of the original color is **58.9354, 60.1496, 80.4553**, and **12.4283, 12.3681, 19.1850** is the 20% darker color. If you saturate the color by 10%, you get **24.7410, 24.0772, 41.8720**, and if you desaturate by 10%, it is **36.0269, 37.5343, 43.8746**.

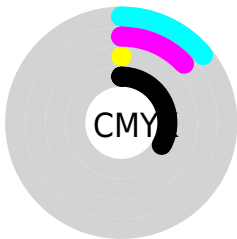
Distribution



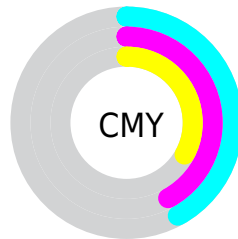
- Red (58%)
- Green (58%)
- Blue (67%)



- Red (58%)
- Yellow (58%)
- Blue (67%)



- Cyan (14%)
- Magenta (13%)
- Yellow (0%)
- Black (33%)



- Cyan (42%)
- Magenta (42%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9732, 30.3231, 42.8013 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 29.9732, 30.3231, 42.8013 by changing the saturation by 10% instead.

■ 29.9732, 30.3231,
42.8013

■ 29.9732, 30.3231,
42.8013

293.6916,
303.4076, 373.6912

■ 19.9662, 20.0840,
29.3990

■ 59.0067, 60.1728,
80.6941

■ 12.4786, 12.4561,
19.1347

■ 78.7640, 80.5521,
106.0216

■ 7.1450, 7.0551,
11.5898

102.5020,
105.0802, 136.1613

■ 3.6001, 3.4966,
6.3459

130.5862,
134.1417, 171.5317

■ 1.4785, 1.3962,
2.9844

163.3819,
168.1207, 212.5514

■ 0.3111, 0.2139,
1.0867

201.2544,

■ 0.0000, 0.0000,

207.4018, 259.6388

0.0000

244.5692,
252.3693, 313.2125

■ 29.9732, 30.3231,
42.8013

■ 29.9732, 30.3231,
42.8013

■ 24.7410, 24.0772,
41.8720

■ 36.0269, 37.5343,
43.8746

■ 20.2924, 18.7520,
41.0786

■ 42.9326, 45.7452,
45.0955

■ 16.5904, 14.3051,
40.4154

■ 50.7223, 54.9934,
46.4700

■ 13.5941, 10.6894,
39.8754

■ 59.4258, 65.3133,
48.0033

■ 11.2586, 7.8532,
39.4510

■ 69.0715, 76.7377,
49.7000

■ 9.5340, 5.7391,
39.1339

■ 79.6863, 89.2981,
51.5649

■ 8.3630, 4.2818,
38.9143

■ 84.3508, 95.7203,
52.5587

■ 7.6776, 3.4043,
38.7810

■ 7.4283, 3.0953,
38.7345

Harmonies

Analogous

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



28.2469, 30.3231, 43.3132



29.9732, 30.3231, 42.8013



31.4444, 30.3231, 39.5270

Triad

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



29.9732, 30.3231, 42.8013



31.0128, 30.3231, 26.2452



25.6684, 30.3231, 31.3886

Complementary

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



29.9732, 30.3231, 42.8013



36.4360, 39.5139, 33.3110

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.



26.3481, 30.3231, 27.2636



29.9732, 30.3231, 42.8013



29.4032, 30.3231, 24.4968

Square

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



29.9732, 30.3231, 42.8013



32.0611, 30.3231, 29.8663



27.6991, 30.3231, 24.8500



25.8073, 30.3231, 36.3812

Rectangle

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



29.9732, 30.3231, 42.8013



32.0606, 30.3231, 36.3845



27.6991, 30.3231, 24.8500



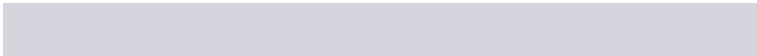
25.8077, 30.3231, 29.8634

Sweetspot

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



29.9741, 30.3244, 42.8020



64.4798, 67.1714, 78.5688



33.8329, 38.2242, 43.5264



14.1894, 14.7535, 17.4875



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.



29.9741, 30.3244, 42.8020



50.4622, 50.4686, 76.0837



31.8463, 31.0572, 42.8448



7.6047, 7.8088, 10.0591



5.6095, 2.3529, 29.2030



0.1646, 0.0825, 0.8152

Inverse Universe

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



32.5743, 31.6642, 32.4133



56.0790, 53.3761, 53.6397



34.3672, 38.7272, 33.2682



8.0183, 8.0206, 8.4071



12.6951, 6.5406, 0.7737



0.3575, 0.1837, 0.0441

Previews

White Background



This preview shows how the XYZ color 29.9732, 30.3231, 42.8013 looks on a white background.

Color Contrast Check

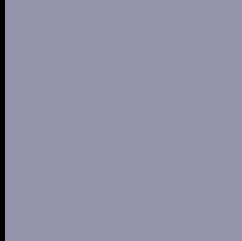
Large Text (above 18pt) WCAG AA × Fail

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 29.9732, 30.3231, 42.8013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

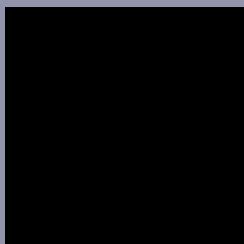
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9732, 30.3231, 42.8013

Background



This preview shows how black text looks on a background with the XYZ color 29.9732, 30.3231, 42.8013.



This preview shows how white text looks on a background with the XYZ color 29.9732, 30.3231,

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

29.9732, 30.3231, 42.8013

Protanopia

29.7947, 30.2311, 42.7929

Deuteranopia

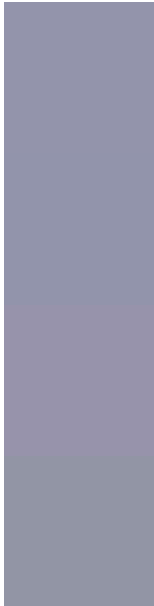
30.9560, 30.3681, 42.7581



Tritanopia

29.0164, 30.4056, 38.0578

Trichromacy



Original Color

29.9732, 30.3231, 42.8013

Protanomaly

29.7947, 30.2311, 42.7929

Deuteranomaly

30.5469, 30.3870, 42.7834

Tritanomaly

29.3930, 30.3225, 39.9010

Monochromacy



Original Color

29.9732, 30.3231, 42.8013

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.3134, 30.3531, 36.6615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9732, 30.3231, 42.8013 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(147, 148, 171)` looks like.

```
.text, #text, p{  
    color:rgb(147, 148, 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(147, 148, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 148, 171) }
```

Border

The CSS property to change the border of an element to XYZ 29.9732, 30.3231, 42.8013 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(147, 148, 171) }
```


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

```
.border{ border-color:rgb(147, 148, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 148, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 148, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 148, 171);  
box-shadow:4px 4px 4px 4px rgb(147, 148,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9732, 30.3231, 42.8013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 148, 171) }
```

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

```
.background{ background-color: rgb(147,  
148, 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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