

Converting Colors

XYZ(33.8336, 31.1532, 59.9245)

Have a look what the booklet for
XYZ(33.8336, 31.1532, 59.9245)
contains.

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Color

**XYZ(33.9229, 31.2874,
60.1282)**

Conversions

Conversions Part 1

Format	Color
Hex	9991CA
RGB	153, 145, 202
RGB Percent	60%, 57%, 79%
CMY	0.4000, 0.4314, 0.2078
CMYK	0.24, 0.28, 0.00, 0.21
HSL	248°, 35%, 68%
HSV	248°, 28%, 79%
XYZ	33.9229, 31.2874, 60.1282
YIQ	153.8900, -13.5290, 19.4230

Conversions

Conversions Part 2

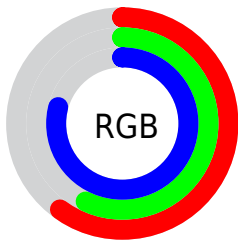
Format	Color
RYB	153, 145, 202
Decimal	10064330
CIELab	62.75, 15.23, -28.31
CIELCh	63, 32.147, 298.279
Yxy	31.2874, 0.2707, 0.2496
Android (android.graphics.Color)	4288254410 (0xFF9991CA)
YUV	153.8900, 23.7182, -0.7805
Hunter-Lab	55.9351, 10.3681, -24.5800

Details

The XYZ color **33.9229, 31.2874, 60.1282** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.4805, 55.7555, 34.9961**, and the grayscale version is **30.5714, 32.1635, 35.0260**.

A 20% lighter version of the original color is **64.4858, 61.4767, 103.0752**, and **14.8043, 13.0892, 29.7632** is the 20% darker color. If you saturate the color by 10%, you get **28.0639, 24.0857, 59.0475**, and if you desaturate by 10%, it is **40.8097, 39.8351, 61.4156**.

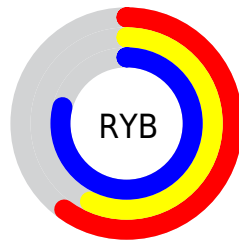
Distribution



Red (60%)

Green (57%)

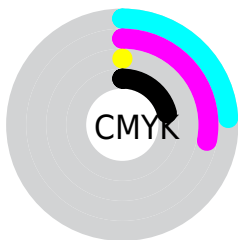
Blue (79%)



Red (60%)

Yellow (57%)

Blue (79%)

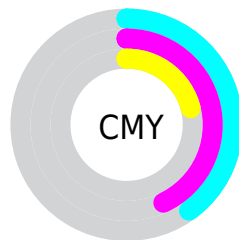


Cyan (24%)

Magenta (28%)

Yellow (0%)

Black (21%)



Cyan (40%)

Magenta (43%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9229, 31.2874, 60.1282 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 33.9229, 31.2874, 60.1282 by changing the saturation by 10% instead.

■ 33.9229, 31.2874,
60.1282

■ 33.9229, 31.2874,
60.1282

311.3801,
307.8602, 442.8879

■ 22.9970, 20.8178,
43.0960

■ 65.1588, 61.6923,
106.5608

■ 14.7120, 12.9909,
29.6285

■ 86.1996, 82.3963,
136.7983

■ 8.7025, 7.4223,
19.3071

111.3426,
107.2807, 172.2746

■ 4.6032, 3.7276,
11.7133

140.9534,
136.7297, 213.4084

■ 2.0487, 1.5224,
6.4286

175.3971,
171.1277, 260.6180

■ 0.6611, 0.3044,
3.0345

215.0392,

■ 0.0000, 0.0000,

210.8592, 314.3221

1.1123

260.2451,
256.3086, 374.9392

■ 0.0000, 0.0000,
0.0000

■ 33.9229, 31.2874,
60.1282

■ 33.9229, 31.2874,
60.1282

■ 28.0639, 24.0857,
59.0475

■ 40.8097, 39.8351,
61.4156

■ 23.1802, 18.1574,
58.1606

■ 48.7675, 49.7888,
62.9175

■ 19.2188, 13.4290,
57.4567

■ 57.8406, 61.2094,
64.6437

■ 16.1208, 9.8177,
56.9229

■ 68.0701, 74.1532,
66.6029

■ 13.8202, 7.2303,
56.5448

■ 79.4947, 88.6734,
68.8035

■ 12.2408, 5.5577,
56.3052

■ 87.6608, 97.0443,
69.9888

■ 11.2784, 4.6408,
56.1789

■ 11.1492, 4.5161,
56.1617

Harmonies

Analogous

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



29.4847, 31.2874, 64.4287



33.9229, 31.2874, 60.1282



37.5192, 31.2874, 48.4388

Triad

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



33.9229, 31.2874, 60.1282



34.4050, 31.2874, 17.3509



22.0667, 31.2874, 33.3451

Complementary

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



33.9229, 31.2874, 60.1282



48.4805, 55.7555, 34.9961

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.



23.1142, 31.2874, 22.8621



33.9229, 31.2874, 60.1282



29.9922, 31.2874, 15.1525

Square

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



33.9229, 31.2874, 60.1282



37.8162, 31.2874, 23.8406



25.9118, 31.2874, 16.8915



22.9004, 31.2874, 46.8646

Rectangle

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



33.9229, 31.2874, 60.1282



38.8015, 31.2874, 39.2225



25.9118, 31.2874, 16.8915



22.2083, 31.2874, 29.3837

Sweetspot

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



33.9239, 31.2887, 60.1289



82.7237, 84.4922, 106.5564



41.7196, 49.0467, 63.1457



17.2401, 17.5000, 22.7191



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.9239, 31.2887, 60.1289



51.0394, 45.0956, 100.6220



39.8666, 34.3522, 60.4070



10.7458, 10.9182, 14.1114



7.2194, 2.9293, 36.1412



0.4211, 0.1762, 1.8668

Inverse Universe

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



44.2211, 36.7036, 55.7940



71.4505, 55.8371, 91.6736



41.9372, 52.3823, 34.6899



11.6172, 11.3756, 13.7848



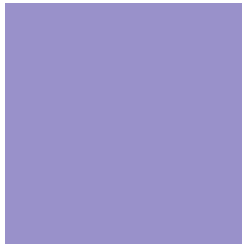
20.5929, 10.0477, 26.6384



1.0814, 0.5260, 1.4747

Previews

White Background



This preview shows how the XYZ color 33.9229, 31.2874, 60.1282 looks on a white background.

Color Contrast Check

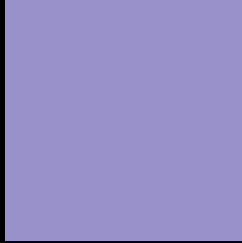
Large Text (above 18pt) WCAG AA × Fail

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 33.9229, 31.2874, 60.1282 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 33.9229, 31.2874, 60.1282

Background



This preview shows how black text looks on a background with the XYZ color 33.9229, 31.2874, 60.1282.



This preview shows how white text looks on a background with the XYZ color 33.9229, 31.2874,

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

33.9229, 31.2874, 60.1282

Protanopia

32.2003, 31.5032, 62.7761

Deuteranopia

31.9375, 31.2009, 59.5974



Tritanopia

29.7831, 31.2478, 39.5836

Trichromacy



Original Color

33.9229, 31.2874, 60.1282

Protanomaly

32.7647, 31.3384, 62.0796

Deuteranomaly

32.6341, 31.3261, 59.5849

Tritanomaly

31.1778, 31.0988, 46.4789

Monochromacy



Original Color

33.9229, 31.2874, 60.1282

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.7437, 31.9435, 43.0207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9229, 31.2874, 60.1282 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(153, 145, 202)` looks like.

```
.text, #text, p{  
    color:rgb(153, 145, 202)  
}
```

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(153, 145, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 145, 202) }
```

Border

The CSS property to change the border of an element to XYZ 33.9229, 31.2874, 60.1282 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(153, 145, 202) }
```


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

```
.border{ border-color:rgb(153, 145, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 145, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 145, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 145, 202);  
box-shadow:4px 4px 4px 4px rgb(153, 145,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9229, 31.2874, 60.1282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 145, 202) }
```

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

```
.background{ background-color: rgb(153,  
145, 202) }
```

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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