

Converting Colors

XYZ(33.3045, 30.5579, 70.5199)

Have a look what the booklet for
XYZ(33.3045, 30.5579, 70.5199)
contains.

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Color

**XYZ(33.2756, 30.4974,
70.4624)**

Conversions

Conversions Part 1

Format	Color
Hex	8B90DA
RGB	139, 144, 218
RGB Percent	55%, 56%, 85%
CMY	0.4549, 0.4353, 0.1451
CMYK	0.36, 0.34, 0.00, 0.15
HSL	236°, 52%, 70%
HSV	236°, 36%, 85%
XYZ	33.2756, 30.4974, 70.4624
YIQ	150.9410, -26.7340, 21.9540

Conversions

Conversions Part 2

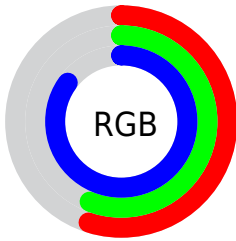
Format	Color
RYB	139, 144, 218
Decimal	9146586
CIELab	62.08, 15.84, -38.37
CIELCh	62, 41.512, 292.433
Yxy	30.4974, 0.2479, 0.2272
Android (android.graphics.Color)	4287336666 (0xFF8B90DA)
YUV	150.9410, 33.0601, -10.4723
Hunter-Lab	55.2245, 10.9127, -36.9926

Details

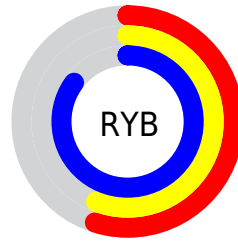
The XYZ color **33.2756, 30.4974, 70.4624** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.3689, 64.3592, 33.8264**, and the grayscale version is **29.2624, 30.7863, 33.5263**.

A 20% lighter version of the original color is **60.7498, 59.2103, 102.8346**, and **14.3599, 12.5810, 36.3219** is the 20% darker color. If you saturate the color by 10%, you get **27.1739, 23.1687, 69.3700**, and if you desaturate by 10%, it is **40.6647, 39.3213, 71.7767**.

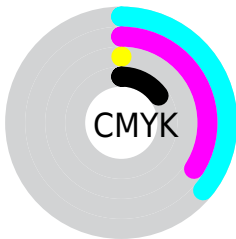
Distribution



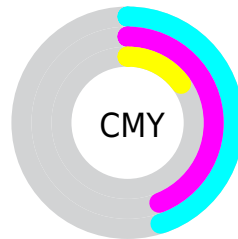
- Red (55%)
- Green (56%)
- Blue (85%)



- Red (55%)
- Yellow (56%)
- Blue (85%)



- Cyan (36%)
- Magenta (34%)
- Yellow (0%)
- Black (15%)



- Cyan (45%)
- Magenta (44%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2756, 30.4974, 70.4624 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 33.2756, 30.4974, 70.4624 by changing the saturation by 10% instead.

■ 33.2756, 30.4974,
70.4624

■ 33.2756, 30.4974,
70.4624

308.5328,
304.2161, 481.0048

■ 22.4979, 20.2164,
51.4245

■ 64.1574, 60.4479,
121.5552

■ 14.3419, 12.5525,
36.1675

■ 84.9922, 80.8862,
154.4472

■ 8.4421, 7.1211,
24.2728

■ 109.9100,
105.4791, 192.7943

■ 4.4333, 3.5380,
15.3221

139.2763,
134.6110, 237.0149

■ 1.9501, 1.4186,
8.8966

173.4564,
168.6663, 287.5278

■ 0.6057, 0.2304,
4.5779

212.8156,

■ 0.0000, 0.0000,

208.0293, 344.7514

1.9474

257.7193,
253.0844, 409.1042

■ 0.0000, 0.0000,
0.5227

■ 0.0000, 0.0000,
0.0000

■ 33.2756, 30.4974,
70.4624

■ 33.2756, 30.4974,
70.4624

■ 27.1739, 23.1687,
69.3700

■ 40.6647, 39.3213,
71.7767

■ 22.2826, 17.2492,
68.4852

■ 49.4056, 49.7133,
73.3219

■ 18.5220, 12.6491,
67.7955

■ 59.5623, 61.7457,
75.1090

■ 15.8011, 9.2670,
67.2861

■ 71.1937, 75.4852,
77.1480

■ 14.0149, 6.9869,
66.9401

■ 84.3557, 90.9949,
79.4479

■ 13.0347, 5.6690,
66.7374

■ 89.6550, 97.8420,
80.4903

■ 12.8093, 5.3706,
66.6917

Harmonies

Analogous

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



27.5972, 30.4974, 73.9140



33.2756, 30.4974, 70.4624



38.3470, 30.4974, 55.6771

Triad

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



33.2756, 30.4974, 70.4624



36.0305, 30.4974, 14.3241



19.6013, 30.4974, 29.3233

Complementary

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



33.2756, 30.4974, 70.4624



57.3689, 64.3592, 33.8264

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.



21.2891, 30.4974, 17.7781



33.2756, 30.4974, 70.4624



30.4224, 30.4974, 11.1151

Square

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



33.2756, 30.4974, 70.4624



40.0745, 30.4974, 22.8095



25.0834, 30.4974, 12.1366



20.1599, 30.4974, 46.3622

Rectangle

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



33.2756, 30.4974, 70.4624



40.4623, 30.4974, 43.3677



25.0834, 30.4974, 12.1366



19.9164, 30.4974, 24.7710

Sweetspot

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



33.2767, 30.4985, 70.4631



77.6561, 79.4293, 105.8462



47.6962, 60.4231, 71.9231



16.2008, 16.5026, 22.5814



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.



33.2767, 30.4985, 70.4631



41.0640, 35.8218, 99.3577



39.1739, 32.4394, 70.5269



12.4045, 12.7488, 16.4591



7.7010, 3.2714, 39.9640



0.5227, 0.2595, 2.5970

Inverse Universe

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



43.1810, 35.3855, 30.9408



57.1101, 43.8944, 35.2923



49.4439, 62.1692, 33.8214



13.0893, 13.0648, 13.7314



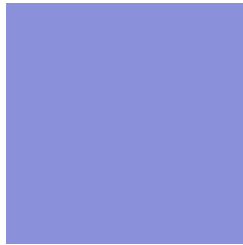
17.3824, 8.9540, 1.1279



1.1381, 0.5849, 0.1363

Previews

White Background



This preview shows how the XYZ color 33.2756, 30.4974, 70.4624 looks on a white background.

Color Contrast Check

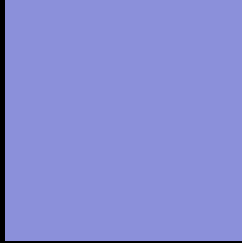
Large Text (above 18pt) WCAG AA × Fail

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 33.2756, 30.4974, 70.4624 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 33.2756, 30.4974, 70.4624

Background



This preview shows how black text looks on a background with the XYZ color 33.2756, 30.4974, 70.4624.



This preview shows how white text looks on a background with the XYZ color 33.2756, 30.4974,

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

33.2756, 30.4974, 70.4624

Protanopia

31.9423, 30.4479, 72.6001

Deuteranopia

31.4402, 30.7156, 69.9173



Tritanopia

27.2830, 30.4132, 40.9916

Trichromacy



Original Color

33.2756, 30.4974, 70.4624

Protanomaly

32.4031, 30.4709, 71.8838

Deuteranomaly

32.0114, 30.5443, 69.8541

Tritanomaly

29.1293, 30.1832, 50.7450

Monochromacy



Original Color

33.2756, 30.4974, 70.4624

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.3604, 30.4780, 44.8401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2756, 30.4974, 70.4624 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(139, 144, 218)` looks like.

```
.text, #text, p{  
    color:rgb(139, 144, 218)  
}
```

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(139, 144, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 144, 218) }
```

Border

The CSS property to change the border of an element to XYZ 33.2756, 30.4974, 70.4624 is called "border". The border property can be set on classes, ids or directly on the HTML element.

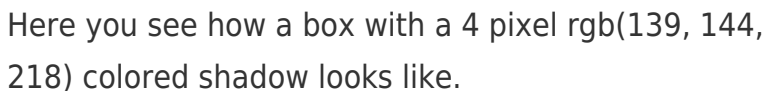
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(139, 144, 218) }
```


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

```
.border{ border-color:rgb(139, 144, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(139, 144, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 144, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 144, 218); box-shadow:4px 4px 4px 4px rgb(139, 144, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2756, 30.4974, 70.4624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 144, 218) }
```

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

```
.background{ background-color: rgb(139,  
144, 218) }
```

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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