

Converting Colors

XYZ(33.5024, 32.0315, 70.8780)

Have a look what the booklet for
XYZ(33.5024, 32.0315, 70.8780)
contains.

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Color

**XYZ(33.3928, 31.9430,
70.7353)**

Conversions

Conversions Part 1

Format	Color
Hex	8696DA
RGB	134, 150, 218
RGB Percent	53%, 59%, 85%
CMY	0.4745, 0.4118, 0.1451
CMYK	0.39, 0.31, 0.00, 0.15
HSL	229°, 53%, 69%
HSV	229°, 39%, 85%
XYZ	33.3928, 31.9430, 70.7353
YIQ	152.9680, -31.3640, 17.7560

Conversions

Conversions Part 2

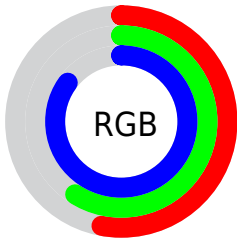
Format	Color
RYB	134, 147, 218
Decimal	8820442
CIELab	63.30, 11.02, -36.50
CIELCh	63, 38.126, 286.798
Yxy	31.9430, 0.2454, 0.2348
Android (android.graphics.Color)	4287010522 (0xFF8696DA)
YUV	152.9680, 32.0608, -16.6349
Hunter-Lab	56.5181, 6.5570, -34.6417

Details

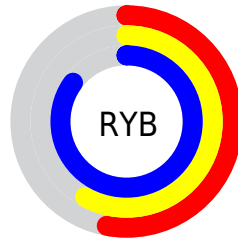
The XYZ color **33.3928, 31.9430, 70.7353** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.3381, 58.8690, 31.0547**, and the grayscale version is **30.1401, 31.7097, 34.5319**.

A 20% lighter version of the original color is **60.8781, 61.3529, 103.2414**, and **14.3810, 13.2735, 36.4544** is the 20% darker color. If you saturate the color by 10%, you get **27.6625, 25.1190, 69.7208**, and if you desaturate by 10%, it is **40.2656, 39.9868, 71.9263**.

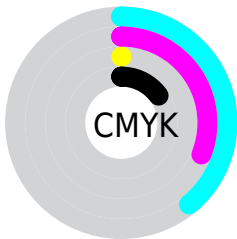
Distribution



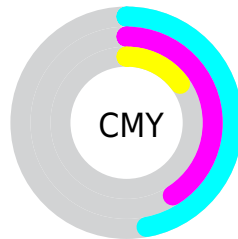
- Red (53%)
- Green (59%)
- Blue (85%)



- Red (53%)
- Yellow (58%)
- Blue (85%)



- Cyan (39%)
- Magenta (31%)
- Yellow (0%)
- Black (15%)



- Cyan (47%)
- Magenta (41%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3928, 31.9430, 70.7353 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 33.3928, 31.9430, 70.7353 by changing the saturation by 10% instead.

■ 33.3928, 31.9430,
70.7353

■ 33.3928, 31.9430,
70.7353

309.0498,
310.8595, 481.9863

■ 22.5882, 21.3180,
51.6457

■ 64.3389, 62.7217,
121.9477

■ 14.4088, 13.3566,
36.3425

■ 85.2111, 83.6442,
154.9075

■ 8.4891, 7.6746,
24.4070

■ 110.1699,
108.7679, 193.3279

■ 4.4639, 3.8874,
15.4208

139.5806,
138.4773, 237.6273

■ 1.9678, 1.6108,
8.9654

173.8085,
173.1568, 288.2243

■ 0.6158, 0.3649,
4.6221

213.2192,

■ 0.0000, 0.0000,

213.1907, 345.5375

1.9725

258.1778,
258.9635, 409.9853

■ 0.0000, 0.0000,
0.5383

■ 0.0000, 0.0000,
0.0000

■ 33.3928, 31.9430,
70.7353

■ 33.3928, 31.9430,
70.7353

■ 27.6625, 25.1190,
69.7208

■ 40.2656, 39.9868,
71.9263

■ 23.0082, 19.4507,
68.8720

■ 48.3359, 49.3031,
73.2991

■ 19.3614, 14.8731,
68.1806

■ 57.6589, 59.9460,
74.8621

■ 16.6440, 11.3131,
67.6367

■ 68.2855, 71.9651,
76.6219

■ 14.7658, 8.6883,
67.2290

■ 80.2638, 85.4076,
78.5852

■ 13.6001, 6.8926,
66.9439

■ 89.6550, 97.8420,
80.4903

■ 13.4661, 6.6842,
66.9107

Harmonies

Analogous

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



28.0991, 31.9430, 71.4966



33.3928, 31.9430, 70.7353



38.3856, 31.9430, 58.7448

Triad

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



33.3928, 31.9430, 70.7353



37.8608, 31.9430, 17.5894



21.5046, 31.9430, 28.5493

Complementary

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



33.3928, 31.9430, 70.7353



54.3381, 58.8690, 31.0547

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.



23.5406, 31.9430, 18.4217



33.3928, 31.9430, 70.7353



32.7409, 31.9430, 13.4469

Square

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



33.3928, 31.9430, 70.7353



41.1631, 31.9430, 27.0308



27.5182, 31.9430, 13.6993



21.6360, 31.9430, 43.8857

Rectangle

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



33.3928, 31.9430, 70.7353



40.6894, 31.9430, 47.5499



27.5182, 31.9430, 13.6993



21.9472, 31.9430, 24.5301

Sweetspot

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



33.3939, 31.9442, 70.7361



77.2750, 79.8521, 105.9479



45.4701, 59.4385, 64.4589



16.1611, 16.6593, 22.6137



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.



33.3939, 31.9442, 70.7361



41.0597, 37.7538, 99.7309



35.5190, 29.5050, 70.1532



12.5384, 13.0165, 16.5037



8.1262, 4.1219, 40.1057



0.5861, 0.3863, 2.6181

Inverse Universe

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



42.9446, 34.1590, 33.1852



56.6343, 41.8905, 38.3776



51.3168, 63.1760, 32.0452



13.1569, 13.0918, 14.0873



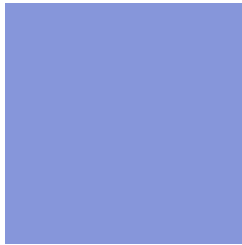
17.5971, 9.0399, 2.2582



1.1701, 0.5977, 0.3047

Previews

White Background



This preview shows how the XYZ color 33.3928, 31.9430, 70.7353 looks on a white background.

Color Contrast Check

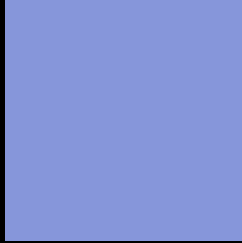
Large Text (above 18pt) WCAG AA × Fail

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 33.3928, 31.9430, 70.7353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

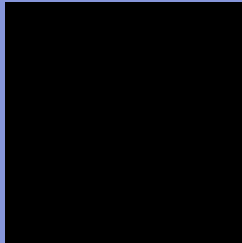
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3928, 31.9430, 70.7353

Background



This preview shows how black text looks on a background with the XYZ color 33.3928, 31.9430, 70.7353.



This preview shows how white text looks on a background with the XYZ color 33.3928, 31.9430,

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

33.3928, 31.9430, 70.7353

Protanopia

33.2129, 32.0730, 71.4580

Deuteranopia

32.7748, 31.8623, 70.7523



Tritanopia

28.0129, 31.9858, 43.7272

Trichromacy



Original Color

33.3928, 31.9430, 70.7353

Protanomaly

33.3685, 32.1532, 71.4653

Deuteranomaly

33.0816, 32.0205, 70.7666

Tritanomaly

29.8262, 31.9631, 52.7416

Monochromacy



Original Color

33.3928, 31.9430, 70.7353

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.0181, 31.7418, 46.0869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3928, 31.9430, 70.7353 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(134, 150, 218)` looks like.

```
.text, #text, p{  
    color:rgb(134, 150, 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(134, 150, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 150, 218) }
```

Border

The CSS property to change the border of an element to XYZ 33.3928, 31.9430, 70.7353 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(134, 150, 218) }
```


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

```
.border{ border-color:rgb(134, 150, 218) }
```

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

Here you see how a box with a 4 pixel rgb(134, 150, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 150, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 150, 218);  
box-shadow:4px 4px 4px 4px rgb(134, 150,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3928, 31.9430, 70.7353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 150, 218) }
```

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

```
.background{ background-color: rgb(134,  
150, 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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