

Converting Colors

XYZ(32.8223, 31.9253, 69.9806)

Have a look what the booklet for
XYZ(32.8223, 31.9253, 69.9806)
contains.

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Color

**XYZ(32.7969, 31.8888,
70.0722)**

Conversions

Conversions Part 1

Format	Color
Hex	8297D9
RGB	130, 151, 217
RGB Percent	51%, 59%, 85%
CMY	0.4902, 0.4078, 0.1490
CMYK	0.40, 0.30, 0.00, 0.15
HSL	226°, 53%, 68%
HSV	226°, 40%, 85%
XYZ	32.7969, 31.8888, 70.0722
YIQ	152.2450, -33.7020, 16.0740

Conversions

Conversions Part 2

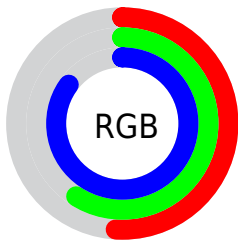
Format	Color
R_{YB}	130, 147, 217
Decimal	8558553
CIE Lab	63.25, 9.10, -36.03
CIE LCh	63, 37.165, 284.174
Yxy	31.8888, 0.2434, 0.2366
Android (android.graphics.Color)	4286748633 (0xFF8297D9)
YUV	152.2450, 31.9242, -19.5089
Hunter-Lab	56.4702, 4.8469, -34.0421

Details

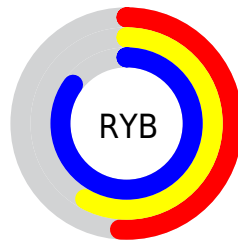
The XYZ color **32.7969, 31.8888, 70.0722** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.3854, 55.8444, 29.1384**, and the grayscale version is **29.8286, 31.3820, 34.1750**.

A 20% lighter version of the original color is **60.1310, 61.3217, 103.2748**, and **14.0592, 13.2595, 36.0008** is the 20% darker color. If you saturate the color by 10%, you get **27.3458, 25.4170, 69.1109**, and if you desaturate by 10%, it is **39.3221, 39.4647, 71.1912**.

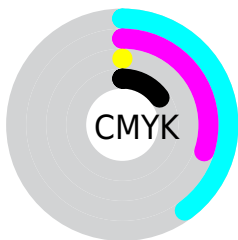
Distribution



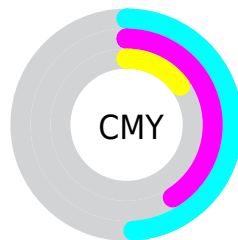
- Red (51%)
- Green (59%)
- Blue (85%)



- Red (51%)
- Yellow (58%)
- Blue (85%)



- Cyan (40%)
- Magenta (30%)
- Yellow (0%)
- Black (15%)



- Cyan (49%)
- Magenta (41%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7969, 31.8888, 70.0722 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 32.7969, 31.8888, 70.0722 by changing the saturation by 10% instead.

■ 32.7969, 31.8888,
70.0722

■ 32.7969, 31.8888,
70.0722

306.4148,
310.6124, 479.5994

■ 22.1294, 21.2766,
51.1082

■ 63.4151, 62.6367,
120.9938

■ 14.0691, 13.3263,
35.9174

■ 84.0965, 83.5412,
153.7885

■ 8.2508, 7.6536,
24.0812

■ 108.8466,
108.6452, 192.0305

■ 4.3090, 3.8741,
15.1811

138.0308,
138.3332, 236.1384

■ 1.8784, 1.6034,
8.7986

172.0143,
172.9895, 286.5307

■ 0.5642, 0.3599,
4.5150

211.1626,

■ 0.0000, 0.0000,

212.9986, 343.6260

1.9119

255.8409,
258.7447, 407.8427

■ 0.0000, 0.0000,
0.5003

■ 0.0000, 0.0000,
0.0000

■ 32.7969, 31.8888,
70.0722

■ 32.7969, 31.8888,
70.0722

■ 27.3458, 25.4170,
69.1109

■ 39.3221, 39.4647,
71.1912

■ 22.9057, 19.9923,
68.2979

■ 46.9729, 48.1908,
72.4722

■ 19.4118, 15.5578,
67.6261

■ 55.8016, 58.1149,
73.9225

■ 16.7899, 12.0490,
67.0870

■ 65.8562, 69.2807,
75.5477

■ 14.9537, 9.3932,
66.6711

■ 77.1817, 81.7300,
77.3538

■ 13.7695, 7.4997,
66.3681

■ 87.8805, 94.5019,
79.2551

■ 89.5245, 97.7898,
79.8031

Harmonies

Analogous

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



27.6907, 31.8888, 69.7351



32.7969, 31.8888, 70.0722



37.7389, 31.8888, 59.2641

Triad

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



32.7969, 31.8888, 70.0722



37.9728, 31.8888, 18.4840



21.7530, 31.8888, 27.5538

Complementary

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



32.7969, 31.8888, 70.0722



52.3854, 55.8444, 29.1384

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.



23.9251, 31.8888, 18.1073



32.7969, 31.8888, 70.0722



33.0881, 31.8888, 13.9740

Square

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



32.7969, 31.8888, 70.0722



40.9483, 31.8888, 28.2356



27.9509, 31.8888, 13.8591



21.6939, 31.8888, 42.1315

Rectangle

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



32.7969, 31.8888, 70.0722



40.1146, 31.8888, 48.5844



27.9509, 31.8888, 13.8591



22.2482, 31.8888, 23.7836

Sweetspot

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



32.7980, 31.8900, 70.0730



77.7110, 80.7241, 106.0932



43.8984, 58.3238, 60.7229



16.2630, 16.8632, 22.6477



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.



32.7980, 31.8900, 70.0730



40.6056, 38.0656, 99.8150



33.4103, 27.6276, 69.2180



12.5926, 13.1250, 16.5218



8.4044, 4.6783, 40.1984



0.6118, 0.4376, 2.6267

Inverse Universe

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



42.1848, 32.9525, 33.4164



56.1073, 40.5395, 39.1175



51.4133, 62.8736, 30.5464



13.1842, 13.1028, 14.2315



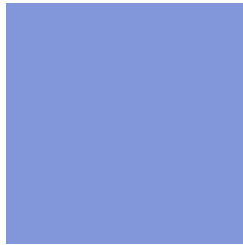
17.7375, 9.0960, 2.9977



1.1831, 0.6029, 0.3730

Previews

White Background



This preview shows how the XYZ color 32.7969, 31.8888, 70.0722 looks on a white background.

Color Contrast Check

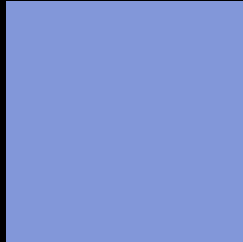
Large Text (above 18pt) WCAG AA × Fail

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 32.7969, 31.8888, 70.0722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

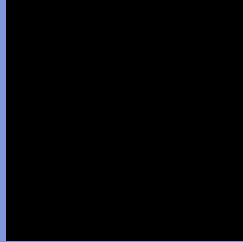
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.7969, 31.8888, 70.0722

Background



This preview shows how black text looks on a background with the XYZ color 32.7969, 31.8888, 70.0722.



This preview shows how white text looks on a background with the XYZ color 32.7969, 31.8888,

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

32.7969, 31.8888, 70.0722

Protanopia

33.1067, 32.0485, 70.0867

Deuteranopia

32.6443, 31.8101, 70.0651



Tritanopia

27.6249, 32.0421, 43.7585

Trichromacy



Original Color

32.7969, 31.8888, 70.0722

Protanomaly

32.9511, 31.9683, 70.0794

Deuteranomaly

32.6443, 31.8101, 70.0651

Tritanomaly

29.3025, 31.9557, 52.2006

Monochromacy



Original Color

32.7969, 31.8888, 70.0722

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.5663, 31.5204, 45.5473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7969, 31.8888, 70.0722 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(130, 151, 217)` looks like.

```
.text, #text, p{  
    color:rgb(130, 151, 217)  
}
```

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(130, 151, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 151, 217) }
```

Border

The CSS property to change the border of an element to XYZ 32.7969, 31.8888, 70.0722 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(130, 151, 217) }
```


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

```
.border{ border-color:rgb(130, 151, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 151, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 151, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 151, 217); box-shadow:4px 4px 4px 4px rgb(130, 151, 217) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7969, 31.8888, 70.0722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 151, 217) }
```

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

```
.background{ background-color: rgb(130,  
151, 217) }
```

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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