

Converting Colors

XYZ(32.9270, 27.7266, 80.7071)

Have a look what the booklet for XYZ(32.9270, 27.7266, 80.7071) contains.

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Color

**XYZ(32.9270, 27.7266,
80.7071)**

Conversions

Conversions Part 1

Format	Color
Hex	8685E9
RGB	134, 133, 233
RGB Percent	53%, 52%, 91%
CMY	0.4745, 0.4784, 0.0863
CMYK	0.42, 0.43, 0.00, 0.09
HSL	241°, 69%, 72%
HSV	241°, 43%, 91%
XYZ	32.9270, 27.7266, 80.7071
YIQ	144.6990, -31.5040, 31.3120

Conversions

Conversions Part 2

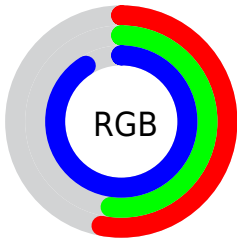
Format	Color
RYB	134, 133, 233
Decimal	8816105
CIELab	59.64, 25.12, -50.59
CIELCh	60, 56.481, 296.412
Yxy	27.7266, 0.2329, 0.1961
Android (android.graphics.Color)	4287006185 (0xFF8685E9)
YUV	144.6990, 43.5324, -9.3830
Hunter-Lab	52.6561, 19.4719, -54.0159

Details

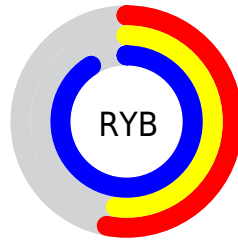
The XYZ color **32.9270, 27.7266, 80.7071** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **66.6513, 77.1274, 33.5653**, and the grayscale version is **26.6309, 28.0178, 30.5114**.

A 20% lighter version of the original color is **57.0948, 53.4142, 101.9085**, and **14.2480, 11.1347, 42.9932** is the 20% darker color. If you saturate the color by 10%, you get **26.7996, 20.3464, 79.6061**, and if you desaturate by 10%, it is **40.5658, 36.9370, 82.0828**.

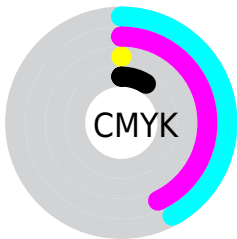
Distribution



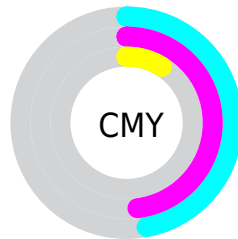
- Red (53%)
- Green (52%)
- Blue (91%)



- Red (53%)
- Yellow (52%)
- Blue (91%)



- Cyan (42%)
- Magenta (43%)
- Yellow (0%)
- Black (9%)



- Cyan (47%)
- Magenta (48%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9270, 27.7266, 80.7071 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 32.9270, 27.7266, 80.7071 by changing the saturation by 10% instead.

■ 32.9270, 27.7266,
80.7071

■ 32.9270, 27.7266,
80.7071

306.9915,
291.1582, 517.0821

■ 22.2295, 18.1197,
59.7708

■ 63.6170, 56.0477,
136.1798

■ 14.1432, 11.0359,
42.8098

■ 84.3402, 75.5306,
171.5533

■ 8.3027, 6.0910,
29.4056

■ 109.1360, 99.0742,
212.5762

■ 4.3427, 2.9005,
19.1397

138.3697,
127.0631, 259.6672

■ 1.8978, 1.0800,
11.5934

172.4068,
159.8815, 313.2447

■ 0.5755, 0.0000,
6.3483

211.6125,

■ 0.0000, 0.0000,

197.9139, 373.7274

2.9858

256.3523,
241.5447, 441.5336

■ 0.0000, 0.0000,
1.0874

■ 0.0000, 0.0000,
0.0000

■ 32.9270, 27.7266,
80.7071

■ 32.9270, 27.7266,
80.7071

■ 26.7996, 20.3464,
79.6061

■ 40.5658, 36.9370,
82.0828

■ 22.0804, 14.6716,
78.7595

■ 49.8036, 48.0852,
83.7478

■ 18.6583, 10.5667,
78.1475

■ 60.7252, 61.2742,
85.7179

■ 16.4044, 7.8742,
77.7466

■ 73.4085, 76.5987,
88.0073

■ 15.1631, 6.4040,
77.5282

■ 87.9266, 94.1475,
90.6294

■ 14.7373, 5.8983,
77.4531

■ 91.7081, 98.6632,
91.3017

Harmonies

Analogous

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



25.5054, 27.7266, 88.6952



32.9270, 27.7266, 80.7071



39.4881, 27.7266, 57.5032

Triad

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



32.9270, 27.7266, 80.7071



34.6794, 27.7266, 7.8853



14.9114, 27.7266, 27.8007

Complementary

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



32.9270, 27.7266, 80.7071



66.6513, 77.1274, 33.5653

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.



16.5114, 27.7266, 13.2739



32.9270, 27.7266, 80.7071



27.2198, 27.7266, 5.5254

Square

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



32.9270, 27.7266, 80.7071



40.6211, 27.7266, 15.8873



20.7185, 27.7266, 6.9242



15.8917, 27.7266, 51.2141

Rectangle

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



32.9270, 27.7266, 80.7071



42.0332, 27.7266, 40.3743



20.7185, 27.7266, 6.9242



15.1566, 27.7266, 21.8801

Sweetspot

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



32.9281, 27.7276, 80.7078



74.3115, 74.9413, 105.1562



53.5204, 69.1482, 87.6174



15.2316, 15.2263, 22.3861



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.



32.9281, 27.7276, 80.7078



33.3317, 25.5024, 97.7734



42.6247, 32.7264, 81.1616



14.2452, 14.5561, 18.9811



8.3683, 3.3500, 43.9485



0.6620, 0.2656, 3.4512

Inverse Universe

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



56.5577, 39.9256, 81.0686



66.0856, 42.4122, 98.1937



52.9017, 70.0392, 32.9218



15.7080, 15.3110, 19.0134



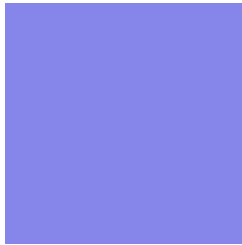
27.2284, 13.0940, 43.8655



2.1402, 1.0290, 3.4556

Previews

White Background



This preview shows how the XYZ color 32.9270, 27.7266, 80.7071 looks on a white background.

Color Contrast Check

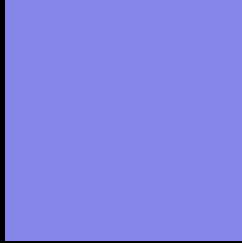
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.9270, 27.7266, 80.7071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

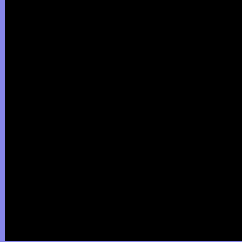
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.9270, 27.7266, 80.7071

Background



This preview shows how black text looks on a background with the XYZ color 32.9270, 27.7266, 80.7071.



This preview shows how white text looks on a background with the XYZ color 32.9270, 27.7266,

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

32.9270, 27.7266, 80.7071

Protanopia

30.5857, 27.8722, 86.2059

Deuteranopia

28.8107, 27.9914, 79.4857



Tritanopia

24.3829, 27.7811, 37.7954

Trichromacy



Original Color

32.9270, 27.7266, 80.7071

Protanomaly

31.1712, 27.5832, 83.8019

Deuteranomaly

30.0070, 27.7082, 80.1106

Tritanomaly

26.9605, 27.4437, 50.8899

Monochromacy



Original Color

32.9270, 27.7266, 80.7071

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.4452, 27.8868, 45.4784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9270, 27.7266, 80.7071 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, 133, 233)` looks like.

```
.text, #text, p{  
    color:rgb(134, 133, 233)  
}
```

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, 133, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 133, 233) }
```

Border

The CSS property to change the border of an element to XYZ 32.9270, 27.7266, 80.7071 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, 133, 233) }
```


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

```
.border{ border-color:rgb(134, 133, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 133, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 133, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 133, 233);  
box-shadow:4px 4px 4px 4px rgb(134, 133,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9270, 27.7266, 80.7071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 133, 233) }
```

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

```
.background{ background-color: rgb(134,  
133, 233) }
```

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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