

Converting Colors

XYZ(32.6969, 28.1765, 83.0722)

Have a look what the booklet for
XYZ(32.6969, 28.1765, 83.0722)
contains.

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Color

**XYZ(32.6969, 28.1765,
83.0722)**

Conversions

Conversions Part 1

Format	Color
Hex	7F88EC
RGB	127, 136, 236
RGB Percent	50%, 53%, 93%
CMY	0.5019, 0.4667, 0.0745
CMYK	0.46, 0.42, 0.00, 0.07
HSL	235°, 74%, 71%
HSV	235°, 46%, 93%
XYZ	32.6969, 28.1765, 83.0722
YIQ	144.7090, -37.4640, 29.1920

Conversions

Conversions Part 2

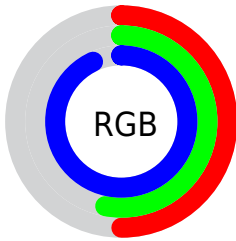
Format	Color
RYB	127, 135, 236
Decimal	8358124
CIELab	60.05, 22.55, -51.63
CIElCh	60, 56.344, 293.592
Yxy	28.1765, 0.2271, 0.1957
Android (android.graphics.Color)	4286548204 (0xFF7F88EC)
YUV	144.7090, 45.0065, -15.5308
Hunter-Lab	53.0815, 17.0588, -55.6313

Details

The XYZ color **32.6969, 28.1765, 83.0722** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **65.8935, 74.3056, 30.9498**, and the grayscale version is **26.6310, 28.0179, 30.5114**.

A 20% lighter version of the original color is **56.0148, 53.8055, 102.0410**, and **14.1007, 11.3769, 44.6328** is the 20% darker color. If you saturate the color by 10%, you get **26.8374, 21.0775, 82.0114**, and if you desaturate by 10%, it is **39.9977, 36.9336, 84.3783**.

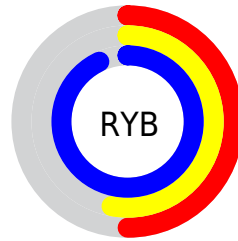
Distribution



Red (50%)

Green (53%)

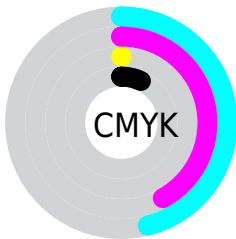
Blue (93%)



Red (50%)

Yellow (53%)

Blue (93%)

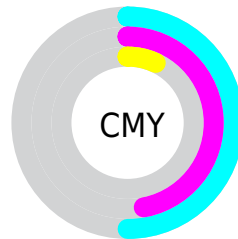


Cyan (46%)

Magenta (42%)

Yellow (0%)

Black (7%)



Cyan (50%)

Magenta (47%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6969, 28.1765, 83.0722 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 32.6969, 28.1765, 83.0722 by changing the saturation by 10% instead.

■ 32.6969, 28.1765,
83.0722

■ 32.6969, 28.1765,
83.0722

305.9709,
293.3093, 525.2044

■ 22.0525, 18.4588,
61.7088

■ 63.2599, 56.7661,
139.5267

■ 14.0123, 11.2798,
44.3631

■ 83.9091, 76.4068,
175.4549

■ 8.2110, 6.2554,
30.6168

■ 108.6241,
100.1238, 217.0750

■ 4.2832, 3.0010,
20.0512

137.7700,
128.3017, 264.8057

■ 1.8636, 1.1322,
12.2478

171.7123,
161.3248, 319.0654

■ 0.5555, 0.0053,
6.7881

210.8163,

■ 0.0000, 0.0000,

199.5775, 380.2728

3.2535

255.4474,
243.4442, 448.8462

■ 0.0000, 0.0000,
1.2255

■ 0.0000, 0.0000,
0.0000

■ 32.6969, 28.1765,
83.0722

■ 32.6969, 28.1765,
83.0722

■ 26.8374, 21.0775,
82.0114

■ 39.9977, 36.9336,
84.3783

■ 22.3201, 15.5290,
81.1785

■ 48.8232, 47.4414,
85.9413

■ 19.0390, 11.4152,
80.5574

■ 59.2547, 59.7892,
87.7749

■ 16.8699, 8.6028,
80.1288

■ 71.3664, 74.0592,
89.8909

■ 15.6623, 6.9326,
79.8701

■ 85.2281, 90.3288,
92.3007

■ 15.3815, 6.5384,
79.8088

■ 92.1404, 98.8362,
93.5784

Harmonies

Analogous

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



25.2689, 28.1765, 89.1568



32.6969, 28.1765, 83.0722



39.5039, 28.1765, 60.6508

Triad

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



32.6969, 28.1765, 83.0722



35.8424, 28.1765, 8.5879



15.2679, 28.1765, 26.4734

Complementary

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



32.6969, 28.1765, 83.0722



65.8935, 74.3056, 30.9498

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.



17.1331, 28.1765, 12.6829



32.6969, 28.1765, 83.0722



28.3520, 28.1765, 5.7706

Square

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



32.6969, 28.1765, 83.0722



41.5350, 28.1765, 17.4167



21.6254, 28.1765, 6.8341



16.0140, 28.1765, 49.3868

Rectangle

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



32.6969, 28.1765, 83.0722



42.3330, 28.1765, 43.2628



21.6254, 28.1765, 6.8341



15.5976, 28.1765, 20.8084

Sweetspot

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



32.6980, 28.1775, 83.0729



73.5407, 74.7004, 105.1504



52.6026, 70.0453, 83.3612



15.1085, 15.2428, 22.3958



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.



32.6980, 28.1775, 83.0729



32.5901, 25.8534, 97.8803



39.8360, 30.0544, 83.0590



14.3311, 14.7487, 19.0137



8.5157, 3.6783, 44.0041



0.7033, 0.3581, 3.4669

Inverse Universe

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



46.6264, 34.7907, 27.5511



51.1293, 34.9793, 23.9064



55.2086, 72.5465, 31.1734



15.1159, 15.0742, 15.8958



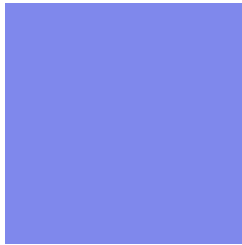
19.1536, 9.8641, 1.3443



1.5215, 0.7816, 0.1976

Previews

White Background



This preview shows how the XYZ color 32.6969, 28.1765, 83.0722 looks on a white background.

Color Contrast Check

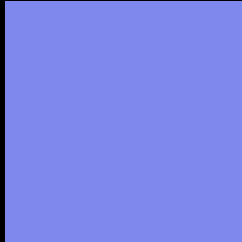
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.6969, 28.1765, 83.0722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

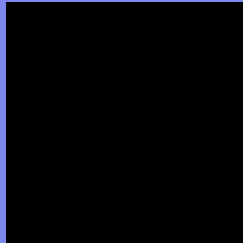
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.6969, 28.1765, 83.0722

Background



This preview shows how black text looks on a background with the XYZ color 32.6969, 28.1765, 83.0722.



This preview shows how white text looks on a background with the XYZ color 32.6969, 28.1765,

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

32.6969, 28.1765, 83.0722

Protanopia

30.9956, 28.2842, 87.0448

Deuteranopia

29.1931, 28.3650, 81.7782



Tritanopia

23.9925, 28.2626, 39.3126

Trichromacy



Original Color

32.6969, 28.1765, 83.0722

Protanomaly

31.4947, 28.1420, 85.4333

Deuteranomaly

30.2619, 28.2277, 82.4508

Tritanomaly

26.5126, 27.8529, 52.6940

Monochromacy



Original Color

32.6969, 28.1765, 83.0722

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.1901, 27.9636, 46.0312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6969, 28.1765, 83.0722 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(127, 136, 236)` looks like.

```
.text, #text, p{  
    color:rgb(127, 136, 236)  
}
```

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(127, 136, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 136, 236) }
```

Border

The CSS property to change the border of an element to XYZ 32.6969, 28.1765, 83.0722 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(127, 136, 236) }
```


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

```
.border{ border-color:rgb(127, 136, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 136, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 136, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 136, 236);  
box-shadow:4px 4px 4px 4px rgb(127, 136,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6969, 28.1765, 83.0722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 136, 236) }
```

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

```
.background{ background-color: rgb(127,  
136, 236) }
```

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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