

Converting Colors

XYZ(32.6794, 27.8889, 76.9273)

Have a look what the booklet for
XYZ(32.6794, 27.8889, 76.9273)
contains.

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Color

**XYZ(32.6820, 27.8859,
77.0588)**

Conversions

Conversions Part 1

Format	Color
Hex	8886E4
RGB	136, 134, 228
RGB Percent	53%, 53%, 89%
CMY	0.4667, 0.4745, 0.1059
CMYK	0.40, 0.41, 0.00, 0.11
HSL	241°, 64%, 71%
HSV	241°, 41%, 89%
XYZ	32.6820, 27.8859, 77.0588
YIQ	145.3140, -28.9820, 29.6580

Conversions

Conversions Part 2

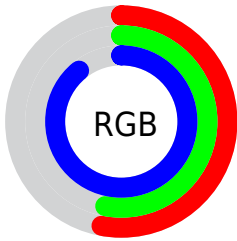
Format	Color
RYB	136, 134, 228
Decimal	8947428
CIELab	59.79, 23.63, -47.57
CIELCh	60, 53.112, 296.415
Yxy	27.8859, 0.2375, 0.2026
Android (android.graphics.Color)	4287137508 (0xFF8886E4)
YUV	145.3140, 40.7642, -8.1684
Hunter-Lab	52.8071, 18.0602, -49.5540

Details

The XYZ color **32.6820, 27.8859, 77.0588** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **63.4108, 73.3772, 33.3763**, and the grayscale version is **26.8900, 28.2904, 30.8082**.

A 20% lighter version of the original color is **57.8126, 54.0981, 102.0027**, and **14.0101, 11.0685, 40.4278** is the 20% darker color. If you saturate the color by 10%, you get **26.6093, 20.5712, 75.9675**, and if you desaturate by 10%, it is **40.1905, 36.9501, 78.4132**.

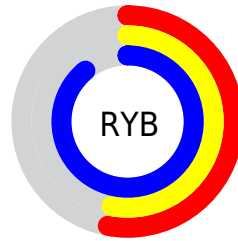
Distribution



Red (53%)

Green (53%)

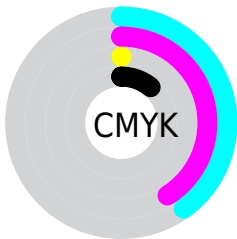
Blue (89%)



Red (53%)

Yellow (53%)

Blue (89%)

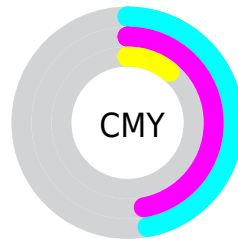


Cyan (40%)

Magenta (41%)

Yellow (0%)

Black (11%)



Cyan (47%)

Magenta (47%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6820, 27.8859, 77.0588 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 32.6820, 27.8859, 77.0588 by changing the saturation by 10% instead.

■ 32.6820, 27.8859,
77.0588

■ 32.6820, 27.8859,
77.0588

305.9048,
291.9213, 504.4075

■ 22.0410, 18.2397,
56.7893

■ 63.2367, 56.3022,
130.9962

■ 14.0038, 11.1222,
40.4279

■ 83.8812, 75.8411,
165.5013

■ 8.2050, 6.1491,
27.5560

■ 108.5909, 99.4463,
205.5885

■ 4.2793, 2.9359,
17.7551

137.7311,
127.5023, 251.6766

■ 1.8613, 1.0984,
10.6067

171.6673,
160.3934, 304.1840

■ 0.5542, 0.0000,
5.6922

210.7647,

■ 0.0000, 0.0000,

198.5040, 363.5292

2.5931

255.3887,
242.2185, 430.1309

■ 0.0000, 0.0000,
0.8889

■ 0.0000, 0.0000,
0.0000

■ 32.6820, 27.8859,
77.0588

■ 32.6820, 27.8859,
77.0588

■ 26.6093, 20.5712,
75.9675

■ 40.1905, 36.9501,
78.4132

■ 21.8779, 14.8904,
75.1204

■ 49.2150, 47.8632,
80.0440

■ 18.3872, 10.7190,
74.4992

■ 59.8332, 60.7209,
81.9661

■ 16.0210, 7.9132,
74.0823

■ 72.1170, 75.6114,
84.1928

■ 14.6409, 6.3014,
73.8440

■ 86.1336, 92.6173,
86.7365

■ 14.0645, 5.6328,
73.7453

■ 91.0037, 98.3815,
87.5925

Harmonies

Analogous

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



25.7044, 27.8859, 84.3338



32.6820, 27.8859, 77.0588



38.7993, 27.8859, 55.7950

Triad

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



32.6820, 27.8859, 77.0588



34.3188, 27.8859, 8.7842



15.5824, 27.8859, 28.1060

Complementary

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



32.6820, 27.8859, 77.0588



63.4108, 73.3772, 33.3763

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.



17.1277, 27.8859, 14.1416



32.6820, 27.8859, 77.0588



27.3214, 27.8859, 6.3740

Square

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



32.6820, 27.8859, 77.0588



39.8509, 27.8859, 16.6907



21.1594, 27.8859, 7.8098



16.5305, 27.8859, 49.9921

Rectangle

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



32.6820, 27.8859, 77.0588



41.1617, 27.8859, 39.9168



21.1594, 27.8859, 7.8098



15.8197, 27.8859, 22.4700

Sweetspot

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



32.6831, 27.8869, 77.0595



75.8807, 76.7624, 105.4250



51.1502, 65.2991, 83.3074



15.8358, 15.9388, 22.4918



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.



32.6831, 27.8869, 77.0595



35.6664, 28.1615, 98.1636



41.9550, 32.6668, 77.4934



13.6111, 13.9017, 18.1103



8.1338, 3.2590, 42.5835



0.6111, 0.2460, 3.1472

Inverse Universe

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



54.2480, 39.0360, 76.6267



66.8539, 44.2884, 97.4031



50.7380, 66.8442, 32.7832



14.9812, 14.6097, 18.1013



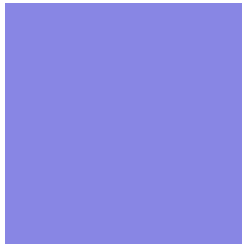
26.1835, 12.6076, 41.4566



1.9391, 0.9334, 3.0859

Previews

White Background



This preview shows how the XYZ color 32.6820, 27.8859, 77.0588 looks on a white background.

Color Contrast Check

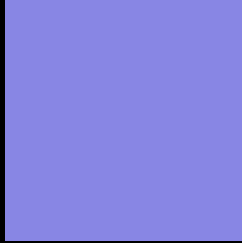
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.6820, 27.8859, 77.0588 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 32.6820, 27.8859, 77.0588

Background



This preview shows how black text looks on a background with the XYZ color 32.6820, 27.8859, 77.0588.



This preview shows how white text looks on a background with the XYZ color 32.6820, 27.8859,

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

32.6820, 27.8859, 77.0588

Protanopia

30.4396, 28.1161, 81.6645

Deuteranopia

28.8463, 28.0902, 75.8531



Tritanopia

24.7004, 27.9549, 37.3517

Trichromacy



Original Color

32.6820, 27.8859, 77.0588

Protanomaly

31.1252, 27.8547, 80.0800

Deuteranomaly

29.9253, 27.7470, 76.4515

Tritanomaly

27.1877, 27.8093, 49.8337

Monochromacy



Original Color

32.6820, 27.8859, 77.0588

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.4181, 27.8957, 44.4441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6820, 27.8859, 77.0588 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(136, 134, 228)` looks like.

```
.text, #text, p{  
    color:rgb(136, 134, 228)  
}
```

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(136, 134, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 134, 228) }
```

Border

The CSS property to change the border of an element to XYZ 32.6820, 27.8859, 77.0588 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(136, 134, 228) }
```


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

```
.border{ border-color:rgb(136, 134, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 134, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 134, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 134, 228);  
box-shadow:4px 4px 4px 4px rgb(136, 134,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6820, 27.8859, 77.0588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 134, 228) }
```

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

```
.background{ background-color: rgb(136,  
134, 228) }
```

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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