

Converting Colors

XYZ(32.0487, 27.7622, 75.6721)

Have a look what the booklet for
XYZ(32.0487, 27.7622, 75.6721)
contains.

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Color

**XYZ(32.0643, 27.8055,
75.6285)**

Conversions

Conversions Part 1

Format	Color
Hex	8587E2
RGB	133, 135, 226
RGB Percent	52%, 53%, 89%
CMY	0.4784, 0.4706, 0.1137
CMYK	0.41, 0.40, 0.00, 0.11
HSL	239°, 62%, 70%
HSV	239°, 41%, 89%
XYZ	32.0643, 27.8055, 75.6285
YIQ	144.7760, -30.4030, 27.8770

Conversions

Conversions Part 2

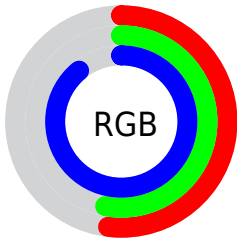
Format	Color
R_{YB}	133, 135, 226
Decimal	8751074
CIE _{Lab}	59.71, 21.72, -46.58
CIE _{LCh}	60, 51.398, 294.999
Yxy	27.8055, 0.2366, 0.2052
Android (android.graphics.Color)	4286941154 (0xFF8587E2)
YUV	144.7760, 40.0434, -10.3276
Hunter-Lab	52.7309, 16.2621, -48.1241

Details

The XYZ color **32.0643, 27.8055, 75.6285** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **62.2544, 71.1750, 32.6487**, and the grayscale version is **26.6753, 28.0645, 30.5623**.

A 20% lighter version of the original color is **57.0195, 54.0053, 102.0265**, and **13.6461, 11.0190, 39.4379** is the 20% darker color. If you saturate the color by 10%, you get **26.1010, 20.6173, 74.5559**, and if you desaturate by 10%, it is **39.4381, 36.6730, 76.9520**.

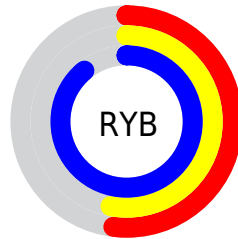
Distribution



Red (52%)

Green (53%)

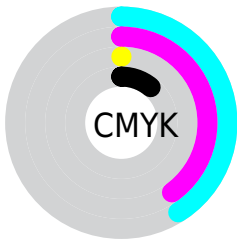
Blue (89%)



Red (52%)

Yellow (53%)

Blue (89%)

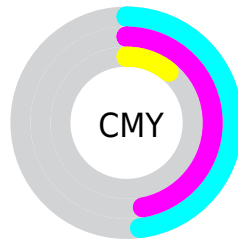


Cyan (41%)

Magenta (40%)

Yellow (0%)

Black (11%)



Cyan (48%)

Magenta (47%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0643, 27.8055, 75.6285 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 32.0643, 27.8055, 75.6285 by changing the saturation by 10% instead.

■ 32.0643, 27.8055,
75.6285

■ 32.0643, 27.8055,
75.6285

303.1521,
291.5364, 499.3880

■ 21.5664, 18.1791,
55.6231

■ 62.2764, 56.1738,
128.9569

■ 13.6535, 11.0786,
39.4989

■ 82.7213, 75.6844,
163.1170

■ 7.9601, 6.1198,
26.8372

■ 107.2126, 99.2586,
202.8324

■ 4.1210, 2.9180,
17.2196

136.1156,
127.2807, 248.5216

■ 1.7708, 1.0891,
10.2276

169.7957,
160.1351, 300.6033

■ 0.5000, 0.0000,
5.4426

208.6183,

■ 0.0000, 0.0000,

198.2063, 359.4959

2.4460

252.9486,
241.8786, 425.6179

■ 0.0000, 0.0000,
0.8113

■ 0.0000, 0.0000,
0.0000

■ 32.0643, 27.8055,
75.6285

■ 32.0643, 27.8055,
75.6285

■ 26.1010, 20.6173,
74.5559

■ 39.4381, 36.6730,
76.9520

■ 21.4553, 14.9997,
73.7164

■ 48.3010, 47.3131,
78.5386

■ 18.0283, 10.8362,
73.0934

■ 58.7297, 59.8160,
80.4023

■ 15.7057, 7.9929,
72.6670

■ 70.7945, 74.2648,
82.5553

■ 14.3517, 6.3109,
72.4137

■ 84.5616, 90.7376,
85.0092

■ 13.7803, 5.5965,
72.3059

■ 90.7276, 98.2710,
86.1384

Harmonies

Analogous

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



25.3546, 27.8055, 81.7016



32.0643, 27.8055, 75.6285



38.0332, 27.8055, 55.7694

Triad

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



32.0643, 27.8055, 75.6285



34.2572, 27.8055, 9.4139



15.8385, 27.8055, 27.2637

Complementary

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



32.0643, 27.8055, 75.6285



62.2544, 71.1750, 32.6487

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.



17.4626, 27.8055, 14.0468



32.0643, 27.8055, 75.6285



27.5318, 27.8055, 6.7966

Square

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



32.0643, 27.8055, 75.6285



39.4376, 27.8055, 17.5378



21.4947, 27.8055, 8.0543



16.6497, 27.8055, 48.0425

Rectangle

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



32.0643, 27.8055, 75.6285



40.4176, 27.8055, 40.5073



21.4947, 27.8055, 8.0543



16.1087, 27.8055, 21.9303

Sweetspot

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



32.0654, 27.8065, 75.6292



75.8554, 77.0128, 105.4747



50.1760, 64.7023, 79.5862



15.8299, 15.9971, 22.5034



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.



32.0654, 27.8065, 75.6292



35.6149, 28.6724, 98.2650



40.1113, 31.5443, 75.9266



12.9755, 13.2902, 17.2691



7.8726, 3.2147, 41.2539



0.5541, 0.2397, 2.8623

Inverse Universe

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



44.1257, 34.6944, 27.2935



53.4446, 38.9247, 26.7908



50.8644, 66.1052, 32.2705



13.7191, 13.7053, 14.2911



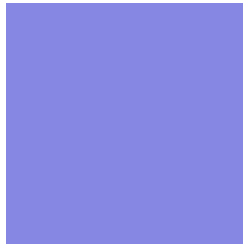
17.9139, 9.2326, 0.9465



1.2460, 0.6417, 0.0881

Previews

White Background



This preview shows how the XYZ color 32.0643, 27.8055, 75.6285 looks on a white background.

Color Contrast Check

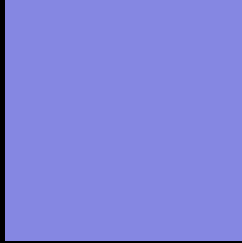
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.0643, 27.8055, 75.6285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

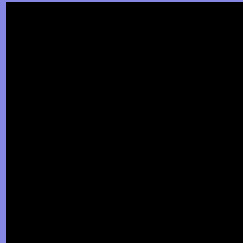
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.0643, 27.8055, 75.6285

Background



This preview shows how black text looks on a background with the XYZ color 32.0643, 27.8055, 75.6285.



This preview shows how white text looks on a background with the XYZ color 32.0643, 27.8055,

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

32.0643, 27.8055, 75.6285

Protanopia

30.2554, 28.0705, 79.4248

Deuteranopia

28.7946, 28.0950, 74.4263



Tritanopia

24.5166, 27.8500, 37.8016

Trichromacy



Original Color

32.0643, 27.8055, 75.6285

Protanomaly

30.8467, 27.9739, 77.9025

Deuteranomaly

29.9255, 27.9967, 75.0608

Tritanomaly

26.8986, 27.6603, 49.8202

Monochromacy



Original Color

32.0643, 27.8055, 75.6285

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.1494, 27.7685, 43.9206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0643, 27.8055, 75.6285 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(133, 135, 226)` looks like.

```
.text, #text, p{  
    color:rgb(133, 135, 226)  
}
```

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(133, 135, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 135, 226) }
```

Border

The CSS property to change the border of an element to XYZ 32.0643, 27.8055, 75.6285 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(133, 135, 226) }
```


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

```
.border{ border-color:rgb(133, 135, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 135, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 135, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 135, 226);  
box-shadow:4px 4px 4px 4px rgb(133, 135,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0643, 27.8055, 75.6285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 135, 226) }
```

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

```
.background{ background-color: rgb(133,  
135, 226) }
```

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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