

Converting Colors

XYZ(32.3008, 27.9632, 77.8980)

Have a look what the booklet for
XYZ(32.3008, 27.9632, 77.8980)
contains.

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Color

**XYZ(32.1669, 27.8104,
77.8013)**

Conversions

Conversions Part 1

Format	Color
Hex	8387E5
RGB	131, 135, 229
RGB Percent	51%, 53%, 90%
CMY	0.4863, 0.4706, 0.1020
CMYK	0.43, 0.41, 0.00, 0.10
HSL	238°, 65%, 71%
HSV	238°, 43%, 90%
XYZ	32.1669, 27.8104, 77.8013
YIQ	144.5200, -32.5580, 28.3860

Conversions

Conversions Part 2

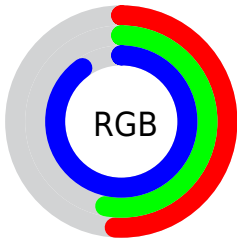
Format	Color
RYB	131, 135, 229
Decimal	8620005
CIELab	59.72, 22.07, -48.26
CIELCh	60, 53.064, 294.580
Yxy	27.8104, 0.2335, 0.2018
Android (android.graphics.Color)	4286810085 (0xFF8387E5)
YUV	144.5200, 41.6486, -11.8570
Hunter-Lab	52.7356, 16.5917, -50.5562

Details

The XYZ color **32.1669, 27.8104, 77.8013** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **63.3363, 72.1488, 32.0622**, and the grayscale version is **26.5664, 27.9499, 30.4374**.

A 20% lighter version of the original color is **56.7723, 53.8778, 102.0150**, and **13.7723, 11.1686, 40.9650** is the 20% darker color. If you saturate the color by 10%, you get **26.2492, 20.6703, 76.7356**, and if you desaturate by 10%, it is **39.5027, 36.6210, 79.1158**.

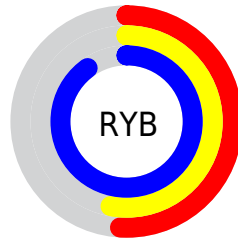
Distribution



Red (51%)

Green (53%)

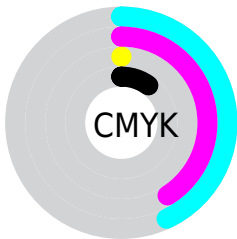
Blue (90%)



Red (51%)

Yellow (53%)

Blue (90%)

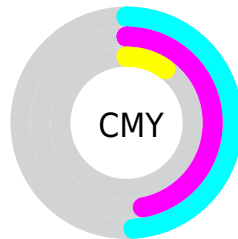


Cyan (43%)

Magenta (41%)

Yellow (0%)

Black (10%)



Cyan (49%)

Magenta (47%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1669, 27.8104, 77.8013 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 32.1669, 27.8104, 77.8013 by changing the saturation by 10% instead.

■ 32.1669, 27.8104,
77.8013

■ 32.1669, 27.8104,
77.8013

303.6106,
291.5598, 507.0018

■ 21.6452, 18.1828,
57.3953

■ 62.4361, 56.1816,
132.0533

■ 13.7116, 11.0813,
40.9112

■ 82.9142, 75.6940,
166.7364

■ 8.0007, 6.1215,
27.9305

■ 107.4419, 99.2700,
207.0155

■ 4.1472, 2.9191,
18.0347

136.3845,
127.2942, 253.3093

■ 1.7857, 1.0897,
10.8052

170.1073,
160.1509, 306.0363

■ 0.5091, 0.0000,
5.8235

208.9757,

■ 0.0000, 0.0000,

198.2244, 365.6150

2.6710

253.3550,
241.8993, 432.4640

■ 0.0000, 0.0000,
0.9288

■ 0.0000, 0.0000,
0.0000

■ 32.1669, 27.8104,
77.8013

■ 32.1669, 27.8104,
77.8013

■ 26.2492, 20.6703,
76.7356

■ 39.5027, 36.6210,
79.1158

■ 21.6550, 15.0923,
75.9010

■ 48.3367, 47.1950,
80.6912

■ 18.2833, 10.9603,
75.2812

■ 58.7468, 59.6224,
82.5413

■ 16.0171, 8.1406,
74.8564

■ 70.8044, 73.9859,
84.6782

■ 14.7167, 6.4745,
74.6033

■ 84.5768, 90.3633,
87.1135

■ 14.2444, 5.8600,
74.5096

■ 91.1430, 98.4372,
88.3258

Harmonies

Analogous

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



25.2337, 27.8104, 83.9224



32.1669, 27.8104, 77.8013



38.3935, 27.8104, 57.1188

Triad

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



32.1669, 27.8104, 77.8013



34.6317, 27.8104, 9.0566



15.5629, 27.8104, 26.9251

Complementary

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



32.1669, 27.8104, 77.8013



63.3363, 72.1488, 32.0622

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.



17.2567, 27.8104, 13.5259



32.1669, 27.8104, 77.8013



27.6696, 27.8104, 6.3895

Square

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



32.1669, 27.8104, 77.8013



39.9768, 27.8104, 17.3720



21.4244, 27.8104, 7.5846



16.3563, 27.8104, 48.3835

Rectangle

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



32.1669, 27.8104, 77.8013



40.9119, 27.8104, 41.1983



21.4244, 27.8104, 7.5846



15.8502, 27.8104, 21.4855

Sweetspot

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



32.1680, 27.8114, 77.8020



74.5701, 75.6095, 105.2716



50.8485, 66.2520, 80.7007



15.2943, 15.3882, 22.4141



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.



32.1680, 27.8114, 77.8020



34.5168, 27.6096, 98.1177



39.9621, 31.0168, 78.0099



13.6298, 13.9809, 18.1246



8.1652, 3.3926, 42.6076



0.6201, 0.2842, 3.1541

Inverse Universe

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



44.8035, 34.6412, 27.2475



52.6137, 37.5332, 25.6808



52.1006, 67.9800, 31.8497



14.4007, 14.3775, 15.0445



18.5149, 9.5402, 1.0747



1.3766, 0.7084, 0.1239

Previews

White Background



This preview shows how the XYZ color 32.1669, 27.8104, 77.8013 looks on a white background.

Color Contrast Check

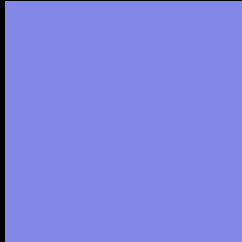
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.1669, 27.8104, 77.8013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

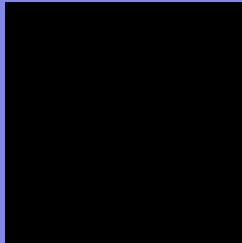
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.1669, 27.8104, 77.8013

Background



This preview shows how black text looks on a background with the XYZ color 32.1669, 27.8104, 77.8013.



This preview shows how white text looks on a background with the XYZ color 32.1669, 27.8104,

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

32.1669, 27.8104, 77.8013

Protanopia

30.3200, 28.0544, 81.6589

Deuteranopia

28.7682, 28.0340, 76.5679



Tritanopia

24.2380, 27.9320, 38.2964

Trichromacy



Original Color

32.1669, 27.8104, 77.8013

Protanomaly

30.8683, 27.9363, 80.1092

Deuteranomaly

29.8351, 27.9024, 77.2120

Tritanomaly

26.7341, 27.7890, 50.4092

Monochromacy



Original Color

32.1669, 27.8104, 77.8013

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.1766, 27.7598, 44.9474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1669, 27.8104, 77.8013 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(131, 135, 229)` looks like.

```
.text, #text, p{  
    color:rgb(131, 135, 229)  
}
```

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(131, 135, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 135, 229) }
```

Border

The CSS property to change the border of an element to XYZ 32.1669, 27.8104, 77.8013 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(131, 135, 229) }
```


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

```
.border{ border-color:rgb(131, 135, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 135, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 135, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 135, 229);  
box-shadow:4px 4px 4px 4px rgb(131, 135,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1669, 27.8104, 77.8013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 135, 229) }
```

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

```
.background{ background-color: rgb(131,  
135, 229) }
```

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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