

Converting Colors

XYZ(31.8009, 27.0277, 77.1031)

Have a look what the booklet for
XYZ(31.8009, 27.0277, 77.1031)
contains.

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Color

**XYZ(31.7706, 27.0095,
76.9377)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 8484E4 |
| RGB | 132, 132, 228 |
| RGB Percent | 52%, 52%, 89% |
| CMY | 0.4823, 0.4823, 0.1059 |
| CMYK | 0.42, 0.42, 0.00, 0.11 |
| HSL | 240°, 64%, 71% |
| HSV | 240°, 42%, 89% |
| XYZ | 31.7706, 27.0095, 76.9377 |
| YIQ | 142.9440, -30.8160, 29.8560 |

Conversions

Conversions Part 2

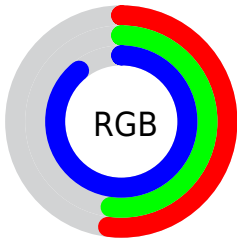
| Format | Color |
|-------------------------------------|--|
| RYB | 132, 132, 228 |
| Decimal | 8684772 |
| CIELab | 58.98, 23.80, -48.86 |
| CIElCh | 59, 54.345, 295.972 |
| Yxy | 27.0095, 0.2341, 0.1990 |
| Android (android.graphics.Color) | 4286874852 (0xFF8484E4) |
| YUV | 142.9440, 41.9326, -9.5979 |
| Hunter-Lab | 51.9707, 18.1716, -51.3938 |

Details

The XYZ color **31.7706, 27.0095, 76.9377** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **63.9031, 73.6470, 32.6778**, and the grayscale version is **25.9339, 27.2845, 29.7128**.

A 20% lighter version of the original color is **56.3852, 52.7367, 101.8151**, and **13.5201, 10.7016, 40.3827** is the 20% darker color. If you saturate the color by 10%, you get **25.8258, 19.8461, 75.8689**, and if you desaturate by 10%, it is **39.1721, 35.9276, 78.2695**.

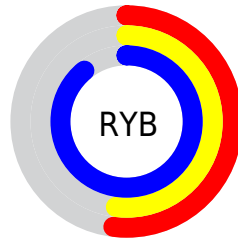
Distribution



Red (52%)

Green (52%)

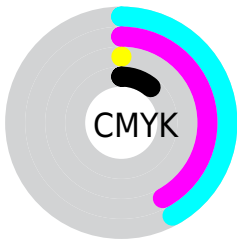
Blue (89%)



Red (52%)

Yellow (52%)

Blue (89%)

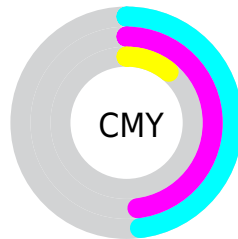


Cyan (42%)

Magenta (42%)

Yellow (0%)

Black (11%)



Cyan (48%)

Magenta (48%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7706, 27.0095, 76.9377 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 31.7706, 27.0095, 76.9377 by changing the saturation by 10% instead.

■ 31.7706, 27.0095,
76.9377

■ 31.7706, 27.0095,
76.9377

301.8368,
287.7031, 503.9836

■ 21.3410, 17.5804,
56.6905

■ 61.8189, 54.8991,
130.8237

■ 13.4874, 10.6491,
40.3491

■ 82.1684, 74.1284,
165.2997

■ 7.8443, 5.8314,
27.4950

■ 106.5552, 97.3931,
205.3555

■ 4.0465, 2.7428,
17.7096

135.3447,
125.0778, 251.4100

■ 1.7285, 0.9990,
10.5744

168.9022,
157.5667, 303.8814

■ 0.4740, 0.0000,
5.6709

207.5932,

■ 0.0000, 0.0000,

195.2443, 363.1885

2.5805

251.7830,
238.4950, 429.7497

■ 0.0000, 0.0000,
0.8824

■ 0.0000, 0.0000,
0.0000

■ 31.7706, 27.0095,
76.9377

■ 31.7706, 27.0095,
76.9377

■ 25.8258, 19.8461,
75.8689

■ 39.1721, 35.9276,
78.2695

■ 21.2389, 14.3192,
75.0438

■ 48.1143, 46.7023,
79.8779

■ 17.9035, 10.3003,
74.4439

■ 58.6785, 59.4316,
81.7781

■ 15.6965, 7.6411,
74.0470

■ 70.9394, 74.2052,
83.9835

■ 14.4696, 6.1628,
73.8263

■ 84.9670, 91.1077,
86.5067

■ 14.0038, 5.6015,
73.7425

■ 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.



24.7727, 27.0095, 84.0855



31.7706, 27.0095, 76.9377



37.9690, 27.0095, 55.4276

Triad

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



31.7706, 27.0095, 76.9377



33.6217, 27.0095, 8.1369



14.7995, 27.0095, 26.8796

Complementary

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



31.7706, 27.0095, 76.9377



63.9031, 73.6470, 32.6778

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.



16.3656, 27.0095, 13.1541



31.7706, 27.0095, 76.9377



26.5922, 27.0095, 5.7581

Square

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



31.7706, 27.0095, 76.9377



39.1622, 27.0095, 15.9737



20.4080, 27.0095, 7.0800



15.7010, 27.0095, 48.8235

Rectangle

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



31.7706, 27.0095, 76.9377



40.3962, 27.0095, 39.3458



20.4080, 27.0095, 7.0800



15.0463, 27.0095, 21.3038

Sweetspot

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



31.7717, 27.0105, 76.9384



74.2100, 74.8889, 105.1515



51.2634, 65.9944, 83.4357



15.2071, 15.2137, 22.3850



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.



31.7717, 27.0105, 76.9384



33.8279, 26.2310, 97.8879



41.0780, 31.8080, 77.3739



13.5829, 13.8872, 18.1089



8.0862, 3.2345, 42.5813



0.5976, 0.2390, 3.1466

Inverse Universe

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



54.2501, 38.5986, 77.9887



66.6168, 43.1344, 99.4198



50.7313, 66.8567, 32.0614



14.9952, 14.6153, 18.1749



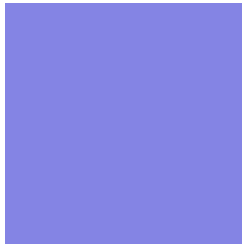
26.5608, 12.7585, 43.4437



1.9628, 0.9428, 3.2104

Previews

White Background



This preview shows how the XYZ color 31.7706, 27.0095, 76.9377 looks on a white background.

Color Contrast Check

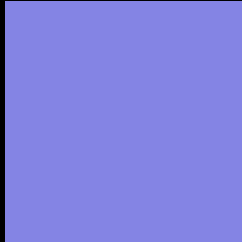
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7706, 27.0095, 76.9377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

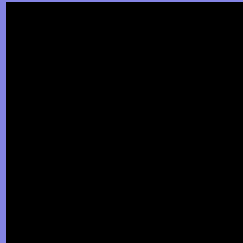
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7706, 27.0095, 76.9377

Background



This preview shows how black text looks on a background with the XYZ color 31.7706, 27.0095, 76.9377.



This preview shows how white text looks on a background with the XYZ color 31.7706, 27.0095,

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

31.7706, 27.0095, 76.9377

Protanopia

29.6774, 27.2893, 81.5451

Deuteranopia

28.0166, 27.2167, 75.7282



Tritanopia

23.6312, 26.9480, 36.7569

Trichromacy



Original Color

31.7706, 27.0095, 76.9377

Protanomaly

30.3091, 27.0119, 79.9603

Deuteranomaly

29.1379, 26.9112, 76.3317

Tritanomaly

26.2099, 26.8716, 49.1527

Monochromacy



Original Color

31.7706, 27.0095, 76.9377

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.5201, 27.0102, 43.8074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7706, 27.0095, 76.9377 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(132, 132, 228)` looks like.

```
.text, #text, p{  
    color:rgb(132, 132, 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(132, 132, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 132, 228) }
```

Border

The CSS property to change the border of an element to XYZ 31.7706, 27.0095, 76.9377 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(132, 132, 228) }
```


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

```
.border{ border-color:rgb(132, 132, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 132, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 132, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 132, 228); box-shadow:4px 4px 4px 4px rgb(132, 132, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7706, 27.0095, 76.9377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 132, 228) }
```

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

```
.background{ background-color: rgb(132,  
132, 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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