

Converting Colors

XYZ(31.7766, 26.5389, 98.0555)

Have a look what the booklet for
XYZ(31.7766, 26.5389, 98.0555)
contains.

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Color

**XYZ(31.7808, 26.5473,
98.0569)**

Conversions

Conversions Part 1

Format	Color
Hex	6684FF
RGB	102, 132, 255
RGB Percent	40%, 52%, 100%
CMY	0.6000, 0.4823, 0.0000
CMYK	0.60, 0.48, 0.00, 0.00
HSL	228°, 100%, 70%
HSV	228°, 60%, 100%
XYZ	31.7808, 26.5473, 98.0569
YIQ	137.0520, -57.3630, 31.8930

Conversions

Conversions Part 2

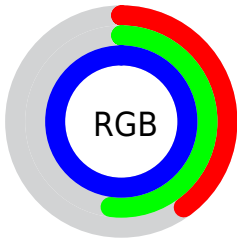
Format	Color
RYB	102, 127, 255
Decimal	6718719
CIELab	58.55, 25.69, -64.60
CIElCh	59, 69.520, 291.687
Yxy	26.5473, 0.2032, 0.1698
Android (android.graphics.Color)	4284908799 (0xFF6684FF)
YUV	137.0520, 58.1484, -30.7406
Hunter-Lab	51.5241, 19.9343, -76.7696

Details

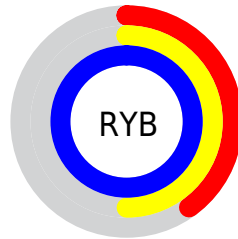
The XYZ color **31.7808, 26.5473, 98.0569** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **70.5660, 76.0740, 23.5371**, and the grayscale version is **23.6015, 24.8306, 27.0406**.

A 20% lighter version of the original color is **50.7088, 49.8104, 101.5495**, and **13.4399, 10.3562, 54.1139** is the 20% darker color. If you saturate the color by 10%, you get **26.8102, 20.2557, 97.1044**, and if you desaturate by 10%, it is **38.1882, 34.3909, 99.2331**.

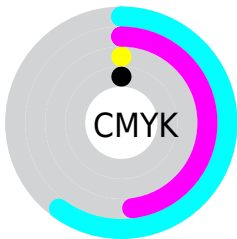
Distribution



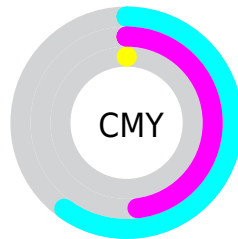
- Red (40%)
- Green (52%)
- Blue (100%)



- Red (40%)
- Yellow (50%)
- Blue (100%)



- Cyan (60%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7808, 26.5473, 98.0569 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 31.7808, 26.5473, 98.0569 by changing the saturation by 10% instead.

■ 31.7808, 26.5473,
98.0569

■ 31.7808, 26.5473,
98.0569

301.8826,
285.4585, 575.1381

■ 21.3489, 17.2335,
74.0710

■ 61.8348, 54.1566,
160.5129

■ 13.4932, 10.4011,
54.3550

■ 82.1876, 73.2209,
199.8200

■ 7.8483, 5.6657,
38.4904

■ 106.5780, 96.3041,
245.0712

■ 4.0490, 2.6429,
26.0588

135.3715,
123.7907, 296.6851

■ 1.7299, 0.9483,
16.6414

168.9333,
156.0650, 355.0802

■ 0.4749, 0.0000,
9.8199

207.6289,

■ 0.0000, 0.0000,

193.5115, 420.6750

5.1757

251.8235,
236.5145, 493.8882

■ 0.0000, 0.0000,
2.2902

■ 0.0000, 0.0000,
0.7257

■ 31.7808, 26.5473,
98.0569

■ 31.7808, 26.5473,
98.0569

■ 26.8102, 20.2557,
97.1044

■ 38.1882, 34.3909,
99.2331

■ 23.1567, 15.4060,
96.3609

■ 46.1326, 43.8814,
100.6462

■ 20.6850, 11.8761,
95.8098

■ 55.7086, 55.1084,
102.3086

■ 19.1906, 9.5010,
95.4302

■ 67.0020, 68.1542,
104.2314

■ 19.1902, 9.5004,
95.4301

■ 80.0927, 83.0959,
106.4255

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



22.9381, 26.5473, 104.5792



31.7808, 26.5473, 98.0569



40.3864, 26.5473, 68.8203

Triad

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



31.7808, 26.5473, 98.0569



36.8074, 26.5473, 5.5133



12.2495, 26.5473, 22.6412

Complementary

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



31.7808, 26.5473, 98.0569



70.5660, 76.0740, 23.5371

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.



14.4407, 26.5473, 8.4890



31.7808, 26.5473, 98.0569



27.6748, 26.5473, 2.9032

Square

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



31.7808, 26.5473, 98.0569



43.7134, 26.5473, 14.8071



19.6516, 26.5473, 3.5579



12.8694, 26.5473, 49.9318

Rectangle

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



31.7808, 26.5473, 98.0569



44.1909, 26.5473, 46.2878



19.6516, 26.5473, 3.5579



12.6600, 26.5473, 16.5316

Sweetspot

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



31.7819, 26.5481, 98.0569



69.4697, 70.9837, 104.6475



54.7496, 79.7489, 83.3145



14.1047, 14.3162, 22.2699



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.



31.7819, 26.5481, 98.0569



25.9767, 19.1723, 96.9392



34.9980, 23.0116, 97.2048



17.2912, 17.9541, 22.8041



10.1085, 5.1266, 49.8913



1.0559, 0.6425, 4.8816

Inverse Universe

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



50.1571, 32.4304, 25.4463



46.1933, 26.8874, 16.7737



64.4822, 86.0498, 25.7833



18.1549, 18.0453, 19.4329



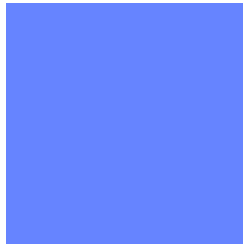
21.8905, 11.2455, 2.8079



2.1676, 1.1094, 0.4639

Previews

White Background



This preview shows how the XYZ color 31.7808, 26.5473, 98.0569 looks on a white background.

Color Contrast Check

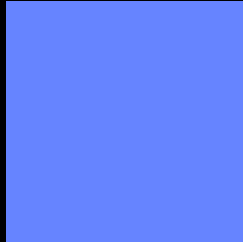
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7808, 26.5473, 98.0569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

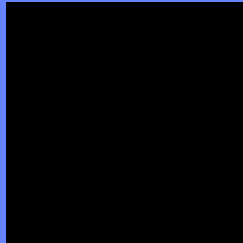
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7808, 26.5473, 98.0569

Background



This preview shows how black text looks on a background with the XYZ color 31.7808, 26.5473, 98.0569.



This preview shows how white text looks on a background with the XYZ color 31.7808, 26.5473,

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

31.7808, 26.5473, 98.0569

Protanopia

30.2475, 26.5776, 98.1435

Deuteranopia

27.6243, 26.7924, 95.8109



Tritanopia

20.1072, 26.4912, 39.6509

Trichromacy



Original Color

31.7808, 26.5473, 98.0569

Protanomaly

30.8338, 26.6718, 98.1308

Deuteranomaly

28.1812, 26.1855, 96.4975

Tritanomaly

23.2989, 25.8645, 57.1904

Monochromacy



Original Color

31.7808, 26.5473, 98.0569

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.2144, 24.9083, 46.6589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7808, 26.5473, 98.0569 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(102, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 132, 255)  
}
```

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(102, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 132, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.7808, 26.5473, 98.0569 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(102, 132, 255) }
```


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

```
.border{ border-color:rgb(102, 132, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 132,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7808, 26.5473, 98.0569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 132, 255) }
```

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

```
.background{ background-color: rgb(102,  
132, 255) }
```

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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