

Converting Colors

XYZ(31.8044, 26.7618, 98.0970)

Have a look what the booklet for
XYZ(31.8044, 26.7618, 98.0970)
contains.

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Color

**XYZ(31.8044, 26.7618,
98.0970)**

Conversions

Conversions Part 1

Format	Color
Hex	6585FF
RGB	101, 133, 255
RGB Percent	40%, 52%, 100%
CMY	0.6039, 0.4784, 0.0000
CMYK	0.60, 0.48, 0.00, 0.00
HSL	228°, 100%, 70%
HSV	228°, 60%, 100%
XYZ	31.8044, 26.7618, 98.0970
YIQ	137.3400, -58.2340, 31.1580

Conversions

Conversions Part 2

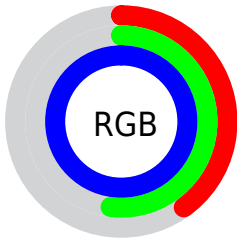
Format	Color
RYB	101, 127, 255
Decimal	6653439
CIELab	58.75, 24.91, -64.28
CIElCh	59, 68.939, 291.185
Yxy	26.7618, 0.2030, 0.1708
Android (android.graphics.Color)	4284843519 (0xFF6585FF)
YUV	137.3400, 58.0064, -31.8702
Hunter-Lab	51.7318, 19.2100, -76.2170

Details

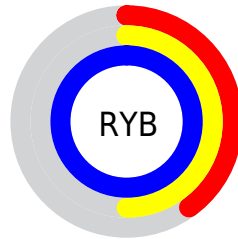
The XYZ color **31.8044, 26.7618, 98.0970** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.9790, 74.9790, 23.0982**, and the grayscale version is **23.7108, 24.9456, 27.1658**.

A 20% lighter version of the original color is **50.7132, 50.1243, 101.6098**, and **13.4454, 10.4734, 54.1362** is the 20% darker color. If you saturate the color by 10%, you get **26.8743, 20.5019, 97.1486**, and if you desaturate by 10%, it is **38.1539, 34.5435, 99.2644**.

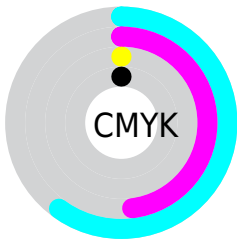
Distribution



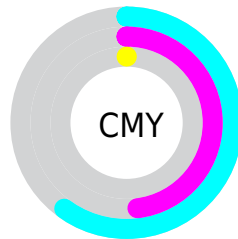
- Red (40%)
- Green (52%)
- Blue (100%)



- 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 31.8044, 26.7618, 98.0970 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 31.8044, 26.7618, 98.0970 by changing the saturation by 10% instead.

■ 31.8044, 26.7618,
98.0970

■ 31.8044, 26.7618,
98.0970

301.9884,
286.5019, 575.2686

■ 21.3670, 17.3944,
74.1042

■ 61.8716, 54.5014,
160.5686

■ 13.5065, 10.5161,
54.3820

■ 82.2321, 73.6424,
199.8844

■ 7.8576, 5.7425,
38.5119

■ 106.6309, 96.8100,
245.1450

■ 4.0550, 2.6891,
26.0753

135.4335,
124.3887, 296.7690

■ 1.7333, 0.9717,
16.6537

169.0052,
156.7629, 355.1747

■ 0.4770, 0.0000,
9.8286

207.7113,

■ 0.0000, 0.0000,

194.3169, 420.7809

5.1813

251.9173,
237.4351, 494.0060

■ 0.0000, 0.0000,
2.2935

■ 0.0000, 0.0000,
0.7275

■ 31.8044, 26.7618,
98.0970

■ 31.8044, 26.7618,
98.0970

■ 26.8743, 20.5019,
97.1486

■ 38.1539, 34.5435,
99.2644

■ 23.2449, 15.6564,
96.4046

■ 46.0219, 43.9392,
100.6632

■ 20.7818, 12.1064,
95.8492

■ 55.5021, 55.0362,
102.3055

■ 19.3221, 9.7642,
95.4740

■ 66.6794, 67.9147,
104.2022

■ 79.6328, 82.6499,
106.3637

■ 94.4360, 99.3122,
108.7996

■ 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.



23.0154, 26.7618, 104.0719



31.8044, 26.7618, 98.0970



40.3963, 26.7618, 69.3723

Triad

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



31.8044, 26.7618, 98.0970



37.1038, 26.7618, 5.7808



12.4732, 26.7618, 22.5448

Complementary

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



31.8044, 26.7618, 98.0970



69.9790, 74.9790, 23.0982

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.



14.7178, 26.7618, 8.5586



31.8044, 26.7618, 98.0970



28.0212, 26.7618, 3.0530

Square

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



31.8044, 26.7618, 98.0970



43.8986, 26.7618, 15.2973



19.9806, 26.7618, 3.6700



13.0480, 26.7618, 49.5134

Rectangle

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



31.8044, 26.7618, 98.0970



44.2318, 26.7618, 46.9704



19.9806, 26.7618, 3.6700



12.9005, 26.7618, 16.5107

Sweetspot

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



31.8055, 26.7626, 98.0971



69.6095, 71.2632, 104.6941



54.2637, 79.5416, 81.3442



14.1382, 14.3832, 22.2810



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.



31.8055, 26.7626, 98.0971



26.2048, 19.6285, 97.0153



34.3181, 22.5160, 97.1450



17.3087, 17.9890, 22.8099



10.1814, 5.2723, 49.9156



1.0654, 0.6615, 4.8848

Inverse Universe

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



50.1282, 32.2625, 25.7760



46.3085, 26.9334, 17.3800



65.0792, 86.3632, 25.5538



18.1637, 18.0488, 19.4793



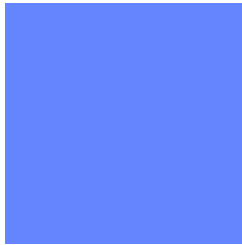
21.9273, 11.2602, 3.0015



2.1724, 1.1113, 0.4891

Previews

White Background



This preview shows how the XYZ color 31.8044, 26.7618, 98.0970 looks on a white background.

Color Contrast Check

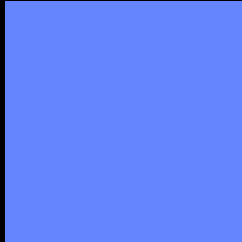
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8044, 26.7618, 98.0970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

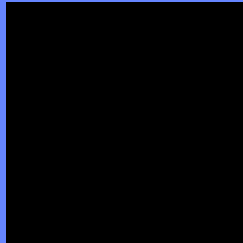
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8044, 26.7618, 98.0970

Background



This preview shows how black text looks on a background with the XYZ color 31.8044, 26.7618, 98.0970.



This preview shows how white text looks on a background with the XYZ color 31.8044, 26.7618,

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

31.8044, 26.7618, 98.0970

Protanopia

30.4753, 26.9052, 98.1947

Deuteranopia

27.9288, 26.9310, 96.6547



Tritanopia

20.3020, 26.8250, 40.1841

Trichromacy



Original Color

31.8044, 26.7618, 98.0970

Protanomaly

30.9740, 26.9522, 98.1775

Deuteranomaly

28.5382, 26.3511, 97.3481

Tritanomaly

23.3736, 26.1308, 57.2379

Monochromacy



Original Color

31.8044, 26.7618, 98.0970

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.3546, 25.1887, 46.7056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8044, 26.7618, 98.0970 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(101, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(101, 133, 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(101, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.8044, 26.7618, 98.0970 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(101, 133, 255) }
```


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

```
.border{ border-color:rgb(101, 133, 255) }
```

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

Here you see how a box with a 4 pixel rgb(101, 133, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(101, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8044, 26.7618, 98.0970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 133, 255) }
```

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

```
.background{ background-color: rgb(101,  
133, 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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