

Converting Colors

XYZ(31.0775, 26.8607, 98.1544)

Have a look what the booklet for
XYZ(31.0775, 26.8607, 98.1544)
contains.

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Color

**XYZ(31.0284, 26.7721,
98.1399)**

Conversions

Conversions Part 1

Format	Color
Hex	5B87FF
RGB	91, 135, 255
RGB Percent	36%, 53%, 100%
CMY	0.6431, 0.4706, 0.0000
CMYK	0.64, 0.47, 0.00, 0.00
HSL	224°, 100%, 68%
HSV	224°, 64%, 100%
XYZ	31.0284, 26.7721, 98.1399
YIQ	135.5240, -64.7440, 27.9920

Conversions

Conversions Part 2

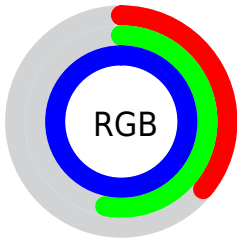
Format	Color
R _Y B	91, 126, 255
Decimal	5998591
CIE Lab	58.76, 22.03, -64.29
CIE LCh	59, 67.960, 288.911
Yxy	26.7721, 0.1990, 0.1717
Android (android.graphics.Color)	4284188671 (0xFF5B87FF)
YUV	135.5240, 58.9017, -39.0475
Hunter-Lab	51.7418, 16.4944, -76.2376

Details

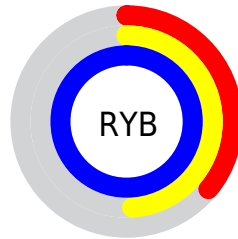
The XYZ color **31.0284, 26.7721, 98.1399** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **66.4252, 68.6084, 19.6415**, and the grayscale version is **23.0301, 24.2295, 26.3859**.

A 20% lighter version of the original color is **49.5508, 50.1550, 101.6770**, and **13.4058, 10.6868, 54.1795** is the 20% darker color. If you saturate the color by 10%, you get **26.5487, 20.9310, 97.2486**, and if you desaturate by 10%, it is **36.8201, 33.9673, 99.2235**.

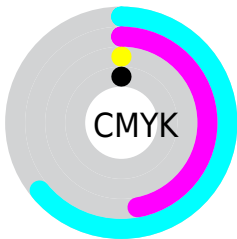
Distribution



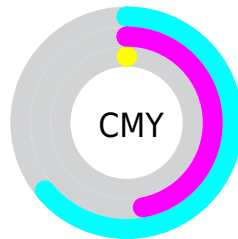
- Red (36%)
- Green (53%)
- Blue (100%)



- Red (36%)
- Yellow (49%)
- Blue (100%)



- Cyan (64%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)



- Cyan (64%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0284, 26.7721, 98.1399 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 31.0284, 26.7721, 98.1399 by changing the saturation by 10% instead.

■ 31.0284, 26.7721,
98.1399

■ 31.0284, 26.7721,
98.1399

298.4937,
286.5520, 575.4081

■ 20.7724, 17.4021,
74.1398

■ 60.6603, 54.5179,
160.6281

■ 13.0693, 10.5216,
54.4110

■ 80.7670, 73.6626,
199.9534

■ 7.5536, 5.7462,
38.5349

■ 104.8879, 96.8343,
245.2240

■ 3.8600, 2.6913,
26.0931

■ 133.3884,
124.4174, 296.8587

■ 1.6233, 0.9728,
16.6669

166.6339,
156.7964, 355.2759

■ 0.4075, 0.0000,
9.8378

204.9897,

■ 0.0000, 0.0000,

194.3555, 420.8941

5.1874

248.8212,
237.4792, 494.1320

■ 0.0000, 0.0000,
2.2970

■ 0.0000, 0.0000,
0.7295

■ 31.0284, 26.7721,
98.1399

■ 31.0284, 26.7721,
98.1399

■ 26.5487, 20.9310,
97.2486

■ 36.8201, 33.9673,
99.2235

■ 23.2634, 16.3473,
96.5370

■ 44.0205, 42.5987,
100.5100

■ 21.0367, 12.9127,
95.9914

■ 52.7206, 52.7438,
102.0096

■ 20.1417, 11.4034,
95.7472

■ 63.0024, 64.4739,
103.7319

■ 74.9418, 77.8554,
105.6855

■ 88.6096, 92.9507,
107.8788

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.



22.4735, 26.7721, 101.8419



31.0284, 26.7721, 98.1399



39.6104, 26.7721, 71.1658

Triad

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



31.0284, 26.7721, 98.1399



37.5612, 26.7721, 6.3799



12.6917, 26.7721, 21.1511

Complementary

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



31.0284, 26.7721, 98.1399



66.4252, 68.6084, 19.6415

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.



15.1389, 26.7721, 8.1350



31.0284, 26.7721, 98.1399



28.6698, 26.7721, 3.2768

Square

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



31.0284, 26.7721, 98.1399



43.9167, 26.7721, 16.6153



20.5770, 26.7721, 3.6708



13.0525, 26.7721, 46.7917

Rectangle

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



31.0284, 26.7721, 98.1399



43.6161, 26.7721, 49.0866



20.5770, 26.7721, 3.6708



13.1871, 26.7721, 15.5084

Sweetspot

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



31.0295, 26.7729, 98.1400



69.1310, 71.3696, 104.7398



51.5266, 78.3252, 72.4235



14.0777, 14.4684, 22.3007



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.



31.0295, 26.7729, 98.1400



25.5526, 19.5784, 97.0400



30.4761, 19.1807, 96.7037



17.3993, 18.1703, 22.8401



10.6287, 6.1669, 50.0647



1.1203, 0.7714, 4.9031

Inverse Universe

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



49.3552, 30.4932, 26.2065



45.6730, 25.5069, 17.6481



67.0034, 87.4084, 23.2398



18.2095, 18.0671, 19.7202



22.1530, 11.3505, 4.1905



2.2001, 1.1224, 0.6352

Previews

White Background



This preview shows how the XYZ color 31.0284, 26.7721, 98.1399 looks on a white background.

Color Contrast Check

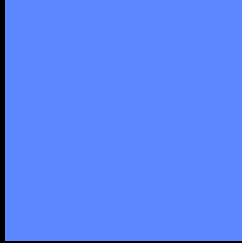
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0284, 26.7721, 98.1399 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

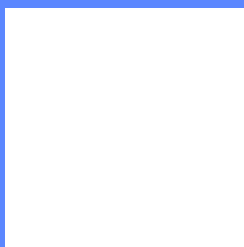
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0284, 26.7721, 98.1399

Background



This preview shows how black text looks on a background with the XYZ color 31.0284, 26.7721, 98.1399.



This preview shows how white text looks on a background with the XYZ color 31.0284, 26.7721,

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

31.0284, 26.7721, 98.1399

Protanopia

30.4753, 26.9052, 98.1947

Deuteranopia

27.8206, 26.8752, 96.6496



Tritanopia

19.6259, 26.7012, 41.1652

Trichromacy



Original Color

31.0284, 26.7721, 98.1399

Protanomaly

30.6005, 26.7596, 98.1600

Deuteranomaly

28.3497, 26.4698, 97.3809

Tritanomaly

22.7602, 26.2495, 58.5107

Monochromacy



Original Color

31.0284, 26.7721, 98.1399

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.6866, 24.8561, 46.1444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0284, 26.7721, 98.1399 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(91, 135, 255)` looks like.

```
.text, #text, p{  
    color:rgb(91, 135, 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(91, 135, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 135, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.0284, 26.7721, 98.1399 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(91, 135, 255) }
```


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

```
.border{ border-color:rgb(91, 135, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 135, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 135, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 135, 255);  
box-shadow:4px 4px 4px 4px rgb(91, 135,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0284, 26.7721, 98.1399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 135, 255) }
```

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

```
.background{ background-color: rgb(91, 135,  
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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