

Converting Colors

XYZ(31.8635, 26.8659, 94.7730)

Have a look what the booklet for
XYZ(31.8635, 26.8659, 94.7730)
contains.

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Color

**XYZ(31.8635, 26.8659,
94.7730)**

Conversions

Conversions Part 1

Format	Color
Hex	6B85FB
RGB	107, 133, 251
RGB Percent	42%, 52%, 98%
CMY	0.5804, 0.4784, 0.0157
CMYK	0.57, 0.47, 0.00, 0.02
HSL	229°, 95%, 70%
HSV	229°, 57%, 98%
XYZ	31.8635, 26.8659, 94.7730
YIQ	138.6780, -53.3740, 31.1860

Conversions

Conversions Part 2

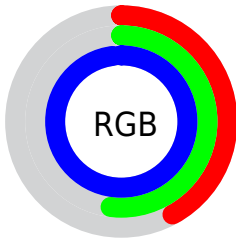
Format	Color
R _Y B	107, 129, 251
Decimal	7046651
CIE Lab	58.85, 24.71, -61.91
CIE LCh	59, 66.656, 291.760
Yxy	26.8659, 0.2076, 0.1750
Android (android.graphics.Color)	4285236731 (0xFF6B85FB)
YUV	138.6780, 55.3747, -27.7816
Hunter-Lab	51.8323, 19.0249, -72.1264

Details

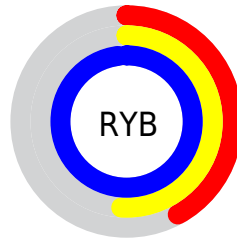
The XYZ color **31.8635, 26.8659, 94.7730** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.3650, 75.4249, 24.8144**, and the grayscale version is **24.2270, 25.4887, 27.7572**.

A 20% lighter version of the original color is **51.7574, 50.6626, 101.6587**, and **13.5676, 10.5758, 52.3652** is the 20% darker color. If you saturate the color by 10%, you get **26.7263, 20.4388, 93.8038**, and if you desaturate by 10%, it is **38.4300, 34.8489, 95.9684**.

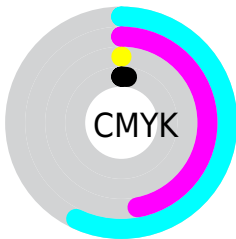
Distribution



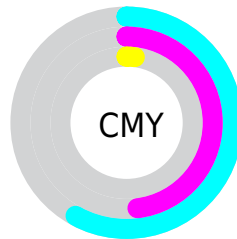
- Red (42%)
- Green (52%)
- Blue (98%)



- Red (42%)
- Yellow (51%)
- Blue (98%)



- Cyan (57%)
- Magenta (47%)
- Yellow (0%)
- Black (2%)



- Cyan (58%)
- Magenta (48%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8635, 26.8659, 94.7730 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 31.8635, 26.8659, 94.7730 by changing the saturation by 10% instead.

■ 31.8635, 26.8659,
94.7730

■ 31.8635, 26.8659,
94.7730

302.2533,
287.0072, 564.4038

■ 21.4123, 17.4725,
71.3502

■ 61.9637, 54.6686,
155.9438

■ 13.5399, 10.5720,
52.1445

■ 82.3434, 73.8467,
194.5290

■ 7.8809, 5.7798,
36.7372

■ 106.7633, 97.0552,
239.0053

■ 4.0700, 2.7117,
24.7099

135.5887,
124.6785, 289.7914

■ 1.7418, 0.9831,
15.6440

169.1851,
157.1010, 347.3057

■ 0.4822, 0.0000,
9.1210

207.9178,

■ 0.0000, 0.0000,

194.7070, 411.9669

4.7223

252.1521,
237.8809, 484.1934

■ 0.0000, 0.0000,
2.0294

■ 0.0000, 0.0000,
0.5733

■ 31.8635, 26.8659,
94.7730

■ 31.8635, 26.8659,
94.7730

■ 26.7263, 20.4388,
93.8038

■ 38.4300, 34.8489,
95.9684

■ 22.9044, 15.4599,
93.0442

■ 46.5207, 44.4799,
97.4009

■ 20.2713, 11.8115,
92.4788

■ 56.2265, 55.8471,
99.0835

■ 18.6673, 9.3515,
92.0885

■ 67.6298, 69.0313,
101.0272

■ 18.3630, 8.8657,
92.0108

■ 80.8074, 84.1081,
103.2428

■ 94.4127, 99.7451,
105.5440

Harmonies

Analogous

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



23.3335, 26.8659, 100.9498



31.8635, 26.8659, 94.7730



40.0924, 26.8659, 67.2328

Triad

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



31.8635, 26.8659, 94.7730



36.6375, 26.8659, 6.1408



12.8561, 26.8659, 23.2252

Complementary

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



31.8635, 26.8659, 94.7730



69.3650, 75.4249, 24.8144

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.



15.0124, 26.8659, 9.2103



31.8635, 26.8659, 94.7730



27.8713, 26.8659, 3.4168

Square

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



31.8635, 26.8659, 94.7730



43.2353, 26.8659, 15.4608



20.1058, 26.8659, 4.1202



13.4761, 26.8659, 49.4792

Rectangle

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



31.8635, 26.8659, 94.7730



43.7094, 26.8659, 45.8568



20.1058, 26.8659, 4.1202



13.2601, 26.8659, 17.2352

Sweetspot

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



31.8647, 26.8668, 94.7737



70.5564, 72.0767, 104.8012



54.0980, 77.5356, 83.0643



14.5594, 14.8030, 22.3399



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.



31.8647, 26.8668, 94.7737



26.9427, 20.2126, 97.0891



35.7336, 24.2159, 94.0581



16.5364, 17.1496, 21.8239



9.7267, 4.8089, 48.3891



0.9679, 0.5795, 4.5040

Inverse Universe

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



49.2761, 32.7197, 25.9092



46.8986, 28.0028, 17.9183



62.4397, 83.0929, 26.6595



17.3725, 17.2764, 18.5515



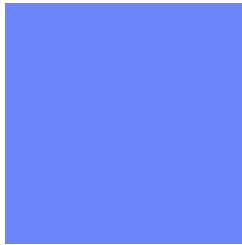
21.2016, 10.8964, 2.5040



1.9975, 1.0227, 0.4102

Previews

White Background



This preview shows how the XYZ color 31.8635, 26.8659, 94.7730 looks on a white background.

Color Contrast Check

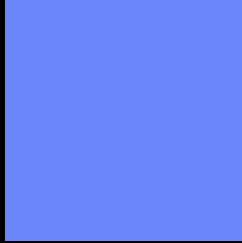
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8635, 26.8659, 94.7730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

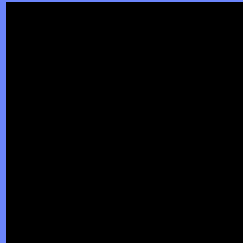
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8635, 26.8659, 94.7730

Background



This preview shows how black text looks on a background with the XYZ color 31.8635, 26.8659, 94.7730.



This preview shows how white text looks on a background with the XYZ color 31.8635, 26.8659,

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

31.8635, 26.8659, 94.7730

Protanopia

30.5629, 26.9503, 98.1988

Deuteranopia

28.0481, 27.0653, 93.3684



Tritanopia

20.8553, 26.8768, 39.6859

Trichromacy



Original Color

31.8635, 26.8659, 94.7730

Protanomaly

31.1072, 27.0394, 97.3455

Deuteranomaly

28.8718, 26.5963, 94.0544

Tritanomaly

23.9890, 26.4746, 56.0703

Monochromacy



Original Color

31.8635, 26.8659, 94.7730

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.9363, 25.6986, 46.7734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8635, 26.8659, 94.7730 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(107, 133, 251)` looks like.

```
.text, #text, p{  
    color:rgb(107, 133, 251)  
}
```

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(107, 133, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 133, 251) }
```

Border

The CSS property to change the border of an element to XYZ 31.8635, 26.8659, 94.7730 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(107, 133, 251) }
```


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

```
.border{ border-color:rgb(107, 133, 251) }
```

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

Here you see how a box with a 4 pixel rgb(107, 133, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 133, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 133, 251);  
box-shadow:4px 4px 4px 4px rgb(107, 133,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8635, 26.8659, 94.7730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 133, 251) }
```

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

```
.background{ background-color: rgb(107,  
133, 251) }
```

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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