

Converting Colors

XYZ(31.5707, 26.9428, 86.0892)

Have a look what the booklet for
XYZ(31.5707, 26.9428, 86.0892)
contains.

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Color

**XYZ(31.5869, 26.9179,
85.9689)**

Conversions

Conversions Part 1

Format	Color
Hex	7685F0
RGB	118, 133, 240
RGB Percent	46%, 52%, 94%
CMY	0.5372, 0.4784, 0.0588
CMYK	0.51, 0.45, 0.00, 0.06
HSL	233°, 80%, 70%
HSV	233°, 51%, 94%
XYZ	31.5869, 26.9179, 85.9689
YIQ	140.7130, -43.2870, 30.0970

Conversions

Conversions Part 2

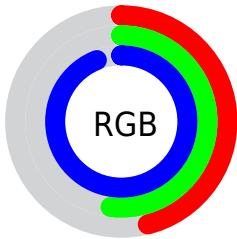
Format	Color
R _Y B	118, 131, 240
Decimal	7767536
CIE Lab	58.90, 23.49, -55.72
CIE LCh	59, 60.468, 292.864
Yxy	26.9179, 0.2186, 0.1863
Android (android.graphics.Color)	4285957616 (0xFF7685F0)
YUV	140.7130, 48.9485, -19.9193
Hunter-Lab	51.8825, 17.8794, -61.9254

Details

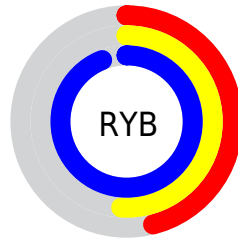
The XYZ color **31.5869, 26.9179, 85.9689** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **66.1321, 73.6863, 27.8786**, and the grayscale version is **25.0330, 26.3367, 28.6806**.

A 20% lighter version of the original color is **53.5134, 51.5679, 101.7409**, and **13.3485, 10.6003, 46.1423** is the 20% darker color. If you saturate the color by 10%, you get **26.1338, 20.2490, 84.9697**, and if you desaturate by 10%, it is **38.4487, 35.1708, 87.2008**.

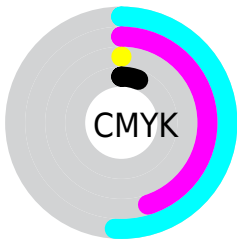
Distribution



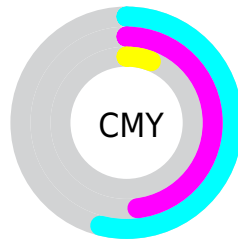
- Red (46%)
- Green (52%)
- Blue (94%)



- Red (46%)
- Yellow (51%)
- Blue (94%)



- Cyan (51%)
- Magenta (45%)
- Yellow (0%)
- Black (6%)



- Cyan (54%)
- Magenta (48%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5869, 26.9179, 85.9689 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 31.5869, 26.9179, 85.9689 by changing the saturation by 10% instead.

■ 31.5869, 26.9179,
85.9689

■ 31.5869, 26.9179,
85.9689

301.0120,
287.2594, 535.0566

■ 21.2002, 17.5116,
64.0875

■ 61.5325, 54.7521,
143.6122

■ 13.3837, 10.5999,
46.2749

■ 81.8221, 73.9488,
180.2113

■ 7.7721, 5.7985,
32.1126

■ 106.1433, 97.1776,
222.5533

■ 4.0000, 2.7229,
21.1820

134.8616,
124.8232, 271.0568

■ 1.7022, 0.9889,
13.0646

168.3422,
157.2697, 326.1403

■ 0.4576, 0.0000,
7.3418

206.9506,

■ 0.0000, 0.0000,

194.9017, 388.2225

3.5951

251.0521,
238.1034, 457.7217

■ 0.0000, 0.0000,
1.4059

■ 0.0000, 0.0000,
0.1463

■ 31.5869, 26.9179,
85.9689

■ 31.5869, 26.9179,
85.9689

■ 26.1338, 20.2490,
84.9697

■ 38.4487, 35.1708,
87.2008

■ 21.9872, 15.0591,
84.1864

■ 46.8051, 45.0984,
88.6766

■ 19.0362, 11.2341,
83.6037

■ 56.7390, 56.7874,
90.4092

■ 17.1493, 8.6421,
83.2028

■ 68.3262, 70.3178,
92.4101

■ 16.1801, 7.1949,
82.9746

■ 81.6378, 85.7648,
94.6901

■ 92.7283, 99.0713,
96.6740

Harmonies

Analogous

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



23.8401, 26.9179, 92.0838



31.5869, 26.9179, 85.9689



38.8419, 26.9179, 61.8534

Triad

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



31.5869, 26.9179, 85.9689



35.2820, 26.9179, 7.2142



13.8067, 26.9179, 24.4864

Complementary

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



31.5869, 26.9179, 85.9689



66.1321, 73.6863, 27.8786

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.



15.7500, 26.9179, 10.8175



31.5869, 26.9179, 85.9689



27.4123, 26.9179, 4.4975

Square

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



31.5869, 26.9179, 85.9689



41.2489, 26.9179, 16.0456



20.3954, 26.9179, 5.3861



14.4927, 26.9179, 48.3936

Rectangle

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



31.5869, 26.9179, 85.9689



41.9283, 26.9179, 43.1904



20.3954, 26.9179, 5.3861



14.1589, 26.9179, 18.7749

Sweetspot

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



31.5880, 26.9188, 85.9696



72.5669, 73.8853, 105.0443



52.0508, 71.5399, 81.3977



14.9329, 15.1144, 22.3803



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.



31.5880, 26.9188, 85.9696



29.7908, 22.9899, 97.4751



37.2578, 27.0083, 85.6880



15.0538, 15.5417, 19.9280



8.9078, 4.0398, 45.4381



0.7911, 0.4362, 3.7967

Inverse Universe

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



46.6482, 33.1770, 26.1361



49.0487, 31.5908, 20.8305



57.0059, 75.2667, 28.6646



15.8518, 15.7904, 16.7760



19.8218, 10.2012, 1.7125



1.6743, 0.8588, 0.2755

Previews

White Background



This preview shows how the XYZ color 31.5869, 26.9179, 85.9689 looks on a white background.

Color Contrast Check

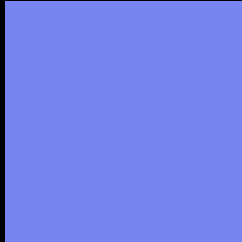
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5869, 26.9179, 85.9689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

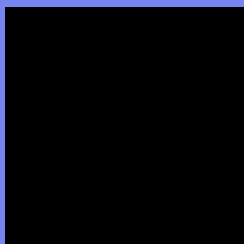
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.5869, 26.9179, 85.9689

Background



This preview shows how black text looks on a background with the XYZ color 31.5869, 26.9179, 85.9689.



This preview shows how white text looks on a background with the XYZ color 31.5869, 26.9179,

85.9689.

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

31.5869, 26.9179, 85.9689

Protanopia

30.1860, 27.1492, 90.0355

Deuteranopia

27.9297, 26.9749, 84.6235



Tritanopia

22.0314, 26.7842, 38.6590

Trichromacy



Original Color

31.5869, 26.9179, 85.9689

Protanomaly

30.5753, 26.9629, 88.3869

Deuteranomaly

29.0291, 26.8709, 85.3180

Tritanomaly

24.8567, 26.5329, 53.1015

Monochromacy



Original Color

31.5869, 26.9179, 85.9689

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.6972, 26.3378, 45.2716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5869, 26.9179, 85.9689 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(118, 133, 240)` looks like.

```
.text, #text, p{  
    color:rgb(118, 133, 240)  
}
```

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(118, 133, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 133, 240) }
```

Border

The CSS property to change the border of an element to XYZ 31.5869, 26.9179, 85.9689 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(118, 133, 240) }
```


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

```
.border{ border-color:rgb(118, 133, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 133, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 133, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 133, 240);  
box-shadow:4px 4px 4px 4px rgb(118, 133,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5869, 26.9179, 85.9689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 133, 240) }
```

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

```
.background{ background-color: rgb(118,  
133, 240) }
```

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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