

Converting Colors

XYZ(32.8953, 31.1237, 98.8814)

Have a look what the booklet for
XYZ(32.8953, 31.1237, 98.8814)
contains.

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Color

**XYZ(32.8868, 31.0589,
98.8694)**

Conversions

Conversions Part 1

Format	Color
Hex	5796FF
RGB	87, 150, 255
RGB Percent	34%, 59%, 100%
CMY	0.6588, 0.4118, 0.0000
CMYK	0.66, 0.41, 0.00, 0.00
HSL	218°, 100%, 67%
HSV	218°, 66%, 100%
XYZ	32.8868, 31.0589, 98.8694
YIQ	143.1330, -71.2530, 19.2990

Conversions

Conversions Part 2

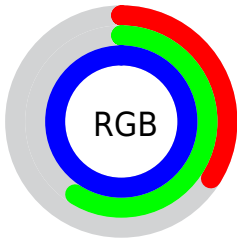
Format	Color
R _{YB}	87, 133, 255
Decimal	5740287
CIE Lab	62.56, 12.41, -58.23
CIE LCh	63, 59.535, 282.032
Yxy	31.0589, 0.2020, 0.1908
Android (android.graphics.Color)	4283930367 (0xFF5796FF)
YUV	143.1330, 55.1504, -49.2286
Hunter-Lab	55.7305, 7.8052, -66.1728

Details

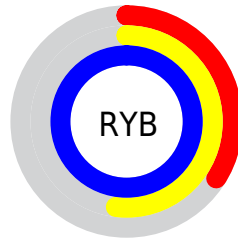
The XYZ color **32.8868, 31.0589, 98.8694** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **61.8122, 59.6512, 17.2749**, and the grayscale version is **25.9701, 27.3226, 29.7543**.

A 20% lighter version of the original color is **52.4054, 56.9850, 102.8449**, and **14.7502, 13.1916, 55.1949** is the 20% darker color. If you saturate the color by 10%, you get **28.5398, 25.2960, 97.9861**, and if you desaturate by 10%, it is **38.4224, 37.9488, 99.9075**.

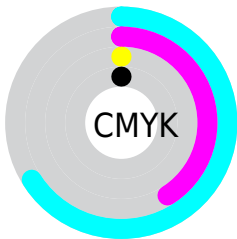
Distribution



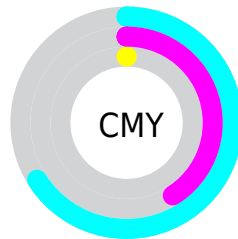
- Red (34%)
- Green (59%)
- Blue (100%)



- Red (34%)
- Yellow (52%)
- Blue (100%)



- Cyan (66%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8868, 31.0589, 98.8694 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 32.8868, 31.0589, 98.8694 by changing the saturation by 10% instead.

■ 32.8868, 31.0589,
98.8694

■ 32.8868, 31.0589,
98.8694

306.8134,
306.8096, 577.7774

■ 22.1986, 20.6437,
74.7450

■ 63.5546, 61.3328,
161.6409

■ 14.1203, 12.8638,
54.9036

■ 84.2649, 81.9603,
201.1252

■ 8.2866, 7.3348,
38.9264

■ 109.0466,
106.7606, 246.5664

■ 4.3322, 3.6724,
26.3951

■ 138.2650,
136.1183, 298.3833

■ 1.8918, 1.4920,
16.8911

172.2856,
170.4176, 356.9943

■ 0.5720, 0.2831,
9.9957

211.4736,

■ 0.0000, 0.0000,

210.0430, 422.8180

5.2905

256.1944,
255.3789, 496.2728

■ 0.0000, 0.0000,
2.3570

■ 0.0000, 0.0000,
0.7629

■ 32.8868, 31.0589,
98.8694

■ 32.8868, 31.0589,
98.8694

■ 28.5398, 25.2960,
97.9861

■ 38.4224, 37.9488,
99.9075

■ 25.2711, 20.5816,
97.2485

■ 45.2358, 46.0300,
101.1082

■ 22.9514, 16.8273,
96.6461

■ 53.4109, 55.3645,
102.4791

■ 22.1981, 15.5162,
96.4327

■ 63.0231, 66.0089,
104.0271

■ 74.1418, 78.0155,
105.7586

■ 86.8320, 91.4340,
107.6797

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.



24.9728, 31.0589, 96.4454



32.8868, 31.0589, 98.8694



41.2215, 31.0589, 78.9329

Triad

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



32.8868, 31.0589, 98.8694



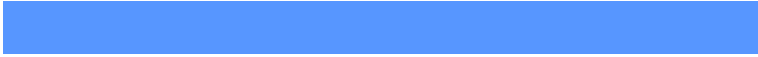
42.6625, 31.0589, 11.8852



17.0480, 31.0589, 21.8420

Complementary

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



32.8868, 31.0589, 98.8694



61.8122, 59.6512, 17.2749

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.



20.2742, 31.0589, 10.3319



32.8868, 31.0589, 98.8694



34.5893, 31.0589, 6.6628

Square

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



32.8868, 31.0589, 98.8694



47.5184, 31.0589, 25.3478



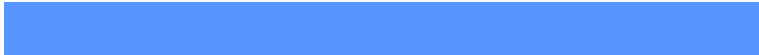
26.3922, 31.0589, 6.2662



16.7602, 31.0589, 43.9914

Rectangle

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



32.8868, 31.0589, 98.8694



45.5192, 31.0589, 59.3394



26.3922, 31.0589, 6.2662



17.7931, 31.0589, 16.9189

Sweetspot

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



32.8880, 31.0598, 98.8695



69.3725, 72.8988, 105.0223



49.0518, 77.2909, 61.3952



14.1847, 14.8855, 22.3755



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.



32.8880, 31.0598, 98.8695



27.4092, 23.7156, 97.7407



27.4754, 17.1395, 96.4679



17.5610, 18.4937, 22.8940



11.7304, 8.3704, 50.4320



1.2430, 1.0167, 4.9440

Inverse Universe

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



50.1541, 30.2800, 32.0560



46.5066, 25.4440, 23.2596



71.8742, 89.9388, 22.5907



18.2911, 18.0997, 20.1500



22.7092, 11.5730, 7.1189



2.2620, 1.1472, 0.9612

Previews

White Background



This preview shows how the XYZ color 32.8868, 31.0589, 98.8694 looks on a white background.

Color Contrast Check

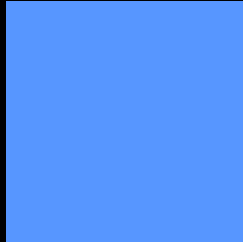
Large Text (above 18pt) WCAG AA × Fail

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 32.8868, 31.0589, 98.8694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

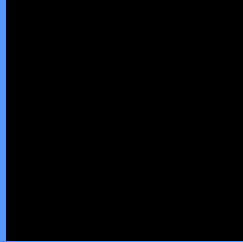
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

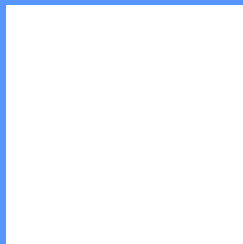
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8868, 31.0589, 98.8694

Background



This preview shows how black text looks on a background with the XYZ color 32.8868, 31.0589, 98.8694.



This preview shows how white text looks on a background with the XYZ color 32.8868, 31.0589,

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

32.8868, 31.0589, 98.8694

Protanopia

33.9483, 30.9599, 96.2820

Deuteranopia

32.2587, 31.2130, 98.9322



Tritanopia

22.6738, 30.9798, 47.9647

Trichromacy



Original Color

32.8868, 31.0589, 98.8694

Protanomaly

33.4651, 30.9243, 97.1337

Deuteranomaly

32.4249, 31.0587, 98.8937

Tritanomaly

25.4642, 30.4874, 63.5740

Monochromacy



Original Color

32.8868, 31.0589, 98.8694

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.0990, 28.2294, 49.3680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8868, 31.0589, 98.8694 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(87, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 150, 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(87, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 150, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.8868, 31.0589, 98.8694 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(87, 150, 255) }
```


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

```
.border{ border-color:rgb(87, 150, 255) }
```

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

Here you see how a box with a 4 pixel rgb(87, 150, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 150,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8868, 31.0589, 98.8694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 150, 255) }
```

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

```
.background{ background-color: rgb(87, 150,  
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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