

Converting Colors

XYZ(31.4996, 31.6898, 99.0643)

Have a look what the booklet for
XYZ(31.4996, 31.6898, 99.0643)
contains.

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Color

**XYZ(31.5694, 31.8377,
99.0891)**

Conversions

Conversions Part 1

Format	Color
Hex	389CFF
RGB	56, 156, 255
RGB Percent	22%, 61%, 100%
CMY	0.7803, 0.3882, 0.0000
CMYK	0.78, 0.39, 0.00, 0.00
HSL	210°, 100%, 61%
HSV	210°, 78%, 100%
XYZ	31.5694, 31.8377, 99.0891
YIQ	137.3860, -91.3790, 9.5890

Conversions

Conversions Part 2

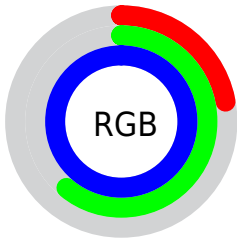
Format	Color
R _Y B	56, 123, 255
Decimal	3710207
CIE Lab	63.21, 4.85, -57.25
CIE LCh	63, 57.453, 274.845
Yxy	31.8377, 0.1943, 0.1959
Android (android.graphics.Color)	4281900287 (0xFF389CFF)
YUV	137.3860, 57.9837, -71.3755
Hunter-Lab	56.4249, 1.1261, -64.6231

Details

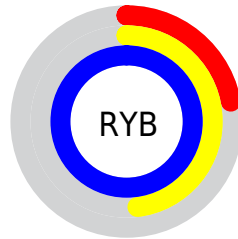
The XYZ color **31.5694, 31.8377, 99.0891** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **53.6784, 44.9939, 9.5992**, and the grayscale version is **23.7383, 24.9746, 27.1973**.

A 20% lighter version of the original color is **50.3025, 58.0590, 103.1630**, and **15.3471, 14.3853, 55.3938** is the 20% darker color. If you saturate the color by 10%, you get **28.4704, 27.2433, 98.3657**, and if you desaturate by 10%, it is **35.6179, 37.2524, 99.9209**.

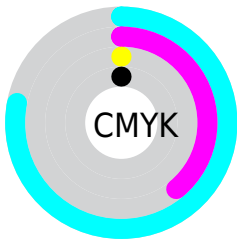
Distribution



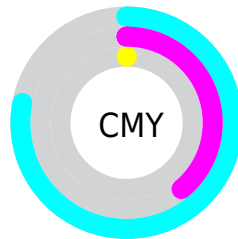
- Red (22%)
- Green (61%)
- Blue (100%)



- Red (22%)
- Yellow (48%)
- Blue (100%)



- Cyan (78%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)



- Cyan (78%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5694, 31.8377, 99.0891 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 31.5694, 31.8377, 99.0891 by changing the saturation by 10% instead.

■ 31.5694, 31.8377,
99.0891

■ 31.5694, 31.8377,
99.0891

300.9333,
310.3793, 578.4900

■ 21.1868, 21.2376,
74.9274

■ 61.5052, 62.5566,
161.9458

■ 13.3738, 13.2978,
55.0520

■ 81.7891, 83.4441,
201.4778

■ 7.7652, 7.6339,
39.0445

■ 106.1041,
108.5295, 246.9704

■ 3.9956, 3.8616,
26.4862

■ 134.8155,
138.1973, 298.8420

■ 1.6997, 1.5964,
16.9587

168.2888,
172.8317, 357.5113

■ 0.4561, 0.3552,
10.0434

206.8893,

■ 0.0000, 0.0000,

212.8173, 423.3966

5.3218

250.9824,
258.5383, 496.9167

■ 0.0000, 0.0000,
2.3753

■ 0.0000, 0.0000,
0.7729

■ 31.5694, 31.8377,
99.0891

■ 31.5694, 31.8377,
99.0891

■ 28.4704, 27.2433,
98.3657

■ 35.6179, 37.2524,
99.9209

■ 26.1792, 23.3851,
97.7417

■ 40.7158, 43.5474,
100.8673

■ 25.7863, 22.6925,
97.6288

■ 46.9525, 50.7786,
101.9343

■ 54.4061, 58.9950,
103.1274

■ 63.1473, 68.2417,
104.4515

■ 73.2408, 78.5603,
105.9112

■ 84.7469, 89.9899,
107.5109

■ 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.



24.2205, 31.8377, 91.2622



31.5694, 31.8377, 99.0891



39.8553, 31.8377, 84.3970

Triad

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



31.5694, 31.8377, 99.0891



44.6097, 31.8377, 15.1955



18.4322, 31.8377, 19.1958

Complementary

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



31.5694, 31.8377, 99.0891



53.6784, 44.9939, 9.5992

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.



22.3447, 31.8377, 9.7296



31.5694, 31.8377, 99.0891



37.2301, 31.8377, 8.2300

Square

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



31.5694, 31.8377, 99.0891



48.1780, 31.8377, 31.1005



28.9888, 31.8377, 6.7920



17.4484, 31.8377, 38.4937

Rectangle

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



31.5694, 31.8377, 99.0891



44.5482, 31.8377, 66.4527



28.9888, 31.8377, 6.7920



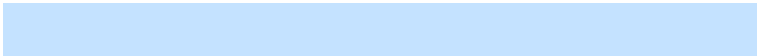
19.4103, 31.8377, 15.0837

Sweetspot

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



31.5706, 31.8386, 99.0893



68.0536, 73.2977, 105.1688



43.0752, 74.6346, 41.9242



13.8049, 14.9059, 22.3995



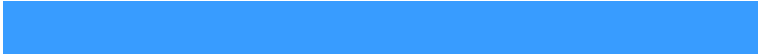
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.5706, 31.8386, 99.0893



27.0199, 24.8601, 97.9821



21.2631, 11.2237, 95.6534



17.7573, 18.8861, 22.9594



13.6233, 12.1563, 51.0630



1.4357, 1.4021, 5.0082

Inverse Universe

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



48.6559, 26.4904, 34.0018



45.8408, 23.3805, 25.2937



76.6654, 90.9680, 17.2616



18.3901, 18.1394, 20.6715



23.6646, 11.9551, 12.1504



2.3593, 1.1861, 1.4734

Previews

White Background



This preview shows how the XYZ color 31.5694, 31.8377, 99.0891 looks on a white background.

Color Contrast Check

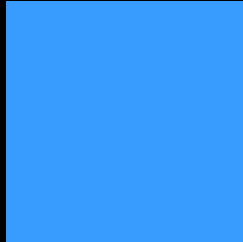
Large Text (above 18pt) WCAG AA × Fail

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 31.5694, 31.8377, 99.0891 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

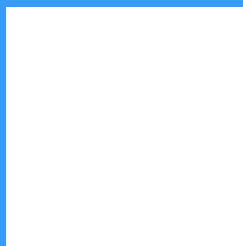
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5694, 31.8377, 99.0891

Background



This preview shows how black text looks on a background with the XYZ color 31.5694, 31.8377, 99.0891.



This preview shows how white text looks on a background with the XYZ color 31.5694, 31.8377,

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

31.5694, 31.8377, 99.0891

Protanopia

34.3728, 31.7169, 93.1173

Deuteranopia

32.7495, 31.7079, 99.0019



Tritanopia

22.5285, 31.7121, 48.6497

Trichromacy



Original Color

31.5694, 31.8377, 99.0891

Protanomaly

33.0545, 31.6968, 95.6427

Deuteranomaly

32.2041, 31.6708, 99.0235

Tritanomaly

24.9491, 31.2537, 64.3921

Monochromacy



Original Color

31.5694, 31.8377, 99.0891

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.3958, 26.4300, 46.9957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5694, 31.8377, 99.0891 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(56, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(56, 156, 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(56, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 156, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.5694, 31.8377, 99.0891 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(56, 156, 255) }
```


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

```
.border{ border-color:rgb(56, 156, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(56, 156,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5694, 31.8377, 99.0891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 156, 255) }
```

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

```
.background{ background-color: rgb(56, 156,  
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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