

Converting Colors

XYZ(34.0463, 31.5009, 98.8936)

Have a look what the booklet for
XYZ(34.0463, 31.5009, 98.8936)
contains.

| | |
|--|----|
| XYZ(33.9430, 31.3675, 98.8733) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(33.9430, 31.3675,
98.8733)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 6395FF |
| RGB | 99, 149, 255 |
| RGB Percent | 39%, 58%, 100% |
| CMY | 0.6117, 0.4157, 0.0000 |
| CMYK | 0.61, 0.42, 0.00, 0.00 |
| HSL | 221°, 100%, 69% |
| HSV | 221°, 61%, 100% |
| XYZ | 33.9430, 31.3675, 98.8733 |
| YIQ | 146.1340, -63.8260, 22.3660 |

Conversions

Conversions Part 2

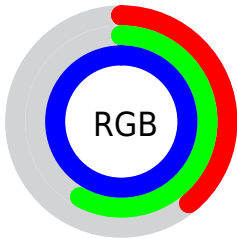
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 99, 137, 255 |
| Decimal | 6526463 |
| CIE Lab | 62.82, 15.01, -57.78 |
| CIE LCh | 63, 59.700, 284.562 |
| Yxy | 31.3675, 0.2067, 0.1911 |
| Android (android.graphics.Color) | 4284716543 (0xFF6395FF) |
| YUV | 146.1340, 53.6709, -41.3365 |
| Hunter-Lab | 56.0067, 10.1687, -65.4649 |

Details

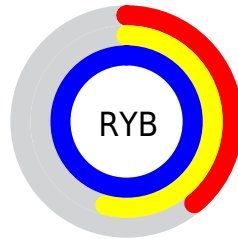
The XYZ color **33.9430, 31.3675, 98.8733** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.3254, 65.8268, 21.0692**, and the grayscale version is **27.1835, 28.5991, 31.1445**.

A 20% lighter version of the original color is **54.1039, 57.5089, 102.8565**, and **14.7801, 13.0654, 55.1690** is the 20% darker color. If you saturate the color by 10%, you get **29.0434, 25.0706, 97.9161**, and if you desaturate by 10%, it is **40.1319, 38.9353, 100.0078**.

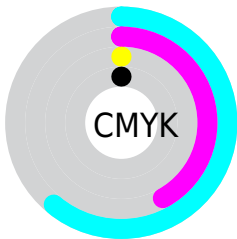
Distribution



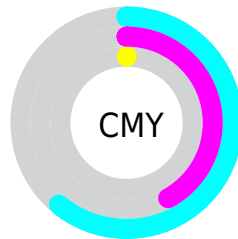
- Red (39%)
- Green (58%)
- Blue (100%)



- Red (39%)
- Yellow (54%)
- Blue (100%)



- Cyan (61%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9430, 31.3675, 98.8733 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 33.9430, 31.3675, 98.8733 by changing the saturation by 10% instead.

■ 33.9430, 31.3675,
98.8733

■ 33.9430, 31.3675,
98.8733

311.4682,
308.2278, 577.7901

■ 23.0125, 20.8788,
74.7483

■ 65.1899, 61.8182,
161.6463

■ 14.7235, 13.0355,
54.9062

■ 86.2370, 82.5490,
201.1314

■ 8.7106, 7.4530,
38.9285

■ 111.3870,
107.4627, 246.5736

■ 4.6085, 3.7470,
26.3967

141.0053,
136.9437, 298.3915

■ 2.0518, 1.5331,
16.8923

175.4572,
171.3763, 357.0035

■ 0.6628, 0.3118,
9.9966

215.1081,

■ 0.0000, 0.0000,

211.1449, 422.8282

5.2911

260.3233,
256.6339, 496.2843

■ 0.0000, 0.0000,
2.3573

■ 0.0000, 0.0000,
0.7631

■ 33.9430, 31.3675,
98.8733

■ 33.9430, 31.3675,
98.8733

■ 29.0434, 25.0706,
97.9161

■ 40.1319, 38.9353,
100.0078

■ 25.3258, 19.9615,
97.1259

■ 47.6984, 47.8433,
101.3284

■ 22.6686, 15.9492,
96.4915

■ 56.7264, 58.1588,
102.8437

■ 21.0465, 13.2131,
96.0488

■ 67.2919, 69.9433,
104.5615

■ 79.4654, 83.2545,
106.4892

■ 93.3127, 98.1467,
108.6338

■ 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.



25.8227, 31.3675, 98.5123



33.9430, 31.3675, 98.8733



42.2585, 31.3675, 77.3122

Triad

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



33.9430, 31.3675, 98.8733



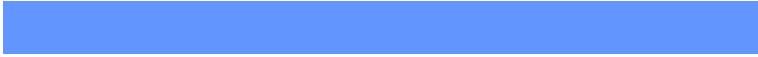
42.4731, 31.3675, 11.3045



17.0848, 31.3675, 23.5183

Complementary

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



33.9430, 31.3675, 98.8733



65.3254, 65.8268, 21.0692

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.



20.0891, 31.3675, 11.0735



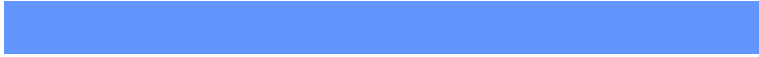
33.9430, 31.3675, 98.8733



34.1965, 31.3675, 6.5447

Square

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



33.9430, 31.3675, 98.8733



47.7607, 31.3675, 24.0400



26.0340, 31.3675, 6.4858



17.0419, 31.3675, 46.7682

Rectangle

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



33.9430, 31.3675, 98.8733



46.3794, 31.3675, 57.3667



26.0340, 31.3675, 6.4858



17.7533, 31.3675, 18.2381

Sweetspot

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



33.9442, 31.3685, 98.8734



70.9775, 73.9993, 105.1501



51.6863, 78.4850, 68.9266



14.4674, 15.0415, 22.3907



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.



33.9442, 31.3685, 98.8734



28.2793, 24.0511, 97.7596



30.9710, 20.5057, 96.9334



17.4782, 18.3280, 22.8664



11.1159, 7.1415, 50.2272



1.1761, 0.8830, 4.9217

Inverse Universe

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



51.1275, 32.3552, 31.9848



47.2888, 27.0698, 23.3306



70.3261, 89.0792, 25.2939



18.2493, 18.0830, 19.9298



22.3990, 11.4489, 5.4857



2.2283, 1.1337, 0.7835

Previews

White Background



This preview shows how the XYZ color 33.9430, 31.3675, 98.8733 looks on a white background.

Color Contrast Check

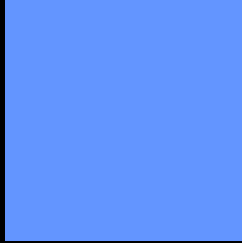
Large Text (above 18pt) WCAG AA × Fail

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 33.9430, 31.3675, 98.8733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

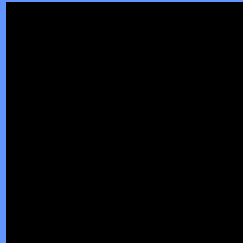
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

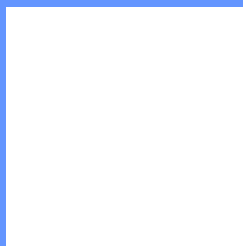
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9430, 31.3675, 98.8733

Background



This preview shows how black text looks on a background with the XYZ color 33.9430, 31.3675, 98.8733.



This preview shows how white text looks on a background with the XYZ color 33.9430, 31.3675,

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

33.9430, 31.3675, 98.8733

Protanopia

34.5427, 31.4614, 98.0180

Deuteranopia

32.4259, 31.3177, 98.1018



Tritanopia

23.6417, 31.2217, 47.4282

Trichromacy



Original Color

33.9430, 31.3675, 98.8733

Protanomaly

34.1882, 31.2786, 98.0014

Deuteranomaly

32.8865, 31.3152, 98.0771

Tritanomaly

26.6411, 30.8378, 63.5796

Monochromacy



Original Color

33.9430, 31.3675, 98.8733

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.3499, 29.0797, 50.5731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9430, 31.3675, 98.8733 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(99, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 149, 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(99, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 149, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.9430, 31.3675, 98.8733 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(99, 149, 255) }
```


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

```
.border{ border-color:rgb(99, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 149,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9430, 31.3675, 98.8733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 149, 255) }
```

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

```
.background{ background-color: rgb(99, 149,  
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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