

Converting Colors

XYZ(31.2342, 33.5039, 99.4278)

Have a look what the booklet for
XYZ(31.2342, 33.5039, 99.4278)
contains.

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Color

**XYZ(31.2098, 33.4467,
99.4187)**

Conversions

Conversions Part 1

Format	Color
Hex	05A3FF
RGB	5, 163, 255
RGB Percent	2%, 64%, 100%
CMY	0.9801, 0.3608, 0.0000
CMYK	0.98, 0.36, 0.00, 0.00
HSL	202°, 100%, 51%
HSV	202°, 98%, 100%
XYZ	31.2098, 33.4467, 99.4187
YIQ	126.2460, -123.7000, -4.8840

Conversions

Conversions Part 2

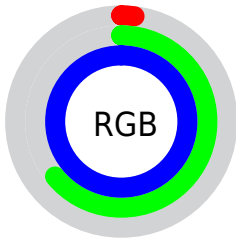
Format	Color
R _Y B	5, 102, 255
Decimal	369663
CIE Lab	64.52, -2.12, -55.20
CIE LCh	65, 55.240, 267.796
Yxy	33.4467, 0.1902, 0.2038
Android (android.graphics.Color)	4278559743 (0xFF05A3FF)
YUV	126.2460, 63.4757, -106.3327
Hunter-Lab	57.8331, -4.8800, -61.4400

Details

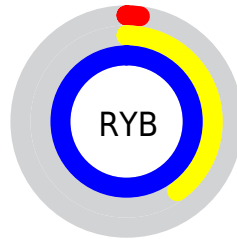
The XYZ color **31.2098, 33.4467, 99.4187** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **45.5493, 29.8341, 3.5036**, and the grayscale version is **19.7439, 20.7721, 22.6208**.

A 20% lighter version of the original color is **49.9315, 60.8735, 103.7258**, and **15.9872, 15.6656, 55.6072** is the 20% darker color. If you saturate the color by 10%, you get **30.8182, 32.7564, 99.3061**, and if you desaturate by 10%, it is **33.4289, 37.1578, 100.0180**.

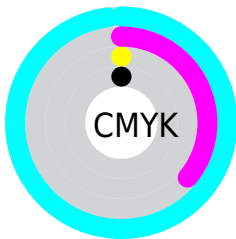
Distribution



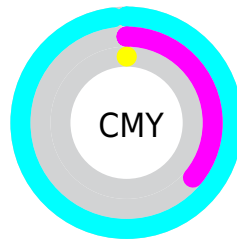
- Red (2%)
- Green (64%)
- Blue (100%)



- Red (2%)
- Yellow (40%)
- Blue (100%)



- Cyan (98%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (98%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2098, 33.4467, 99.4187 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 31.2098, 33.4467, 99.4187 by changing the saturation by 10% instead.


 31.2098, 33.4467,
99.4187


 31.2098, 33.4467,
99.4187

299.3134,
317.6578, 579.5581


 20.9113, 22.4689,
75.2010


 60.9438, 65.0723,
162.4030

 13.1712, 14.2018,
55.2748


 81.1100, 86.4889,
202.0067

 7.6244, 8.2612,
39.2217

 105.2962,
112.1538, 247.5761

 3.9053, 4.2625,
26.6231

 133.8676,
142.4515, 299.5298

 1.6487, 1.8215,
17.0604

 167.1897,
177.7664, 358.2863

 0.4238, 0.5005,
10.1152

205.6278,

 0.0000, 0.0000,

218.4828, 424.2642

5.3688

249.5472,
264.9851, 497.8819

■ 0.0000, 0.0000,
2.4027

■ 0.0000, 0.0000,
0.7879

■ 31.2098, 33.4467,
99.4187

■ 31.2098, 33.4467,
99.4187

■ 30.8182, 32.7564,
99.3061

■ 33.4289, 37.1578,
100.0180

■ 36.3670, 41.4267,
100.6871

■ 40.1589, 46.3270,
101.4331

■ 44.9039, 51.9134,
102.2613

■ 50.6864, 58.2331,
103.1764

■ 57.5808, 65.3277,
104.1824

■ 65.6542, 73.2352,
105.2832

■ 74.9680, 81.9906,
106.4823

■ 85.5791, 91.6264,
107.7829

Harmonies

Analogous

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



24.3673, 33.4467, 86.9762



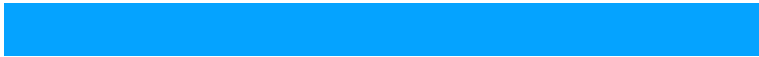
31.2098, 33.4467, 99.4187



39.4068, 33.4467, 89.9981

Triad

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



31.2098, 33.4467, 99.4187



47.1971, 33.4467, 19.6747



20.5983, 33.4467, 17.8154

Complementary

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



31.2098, 33.4467, 99.4187



45.5493, 29.8341, 3.5036

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.



25.2241, 33.4467, 9.9097



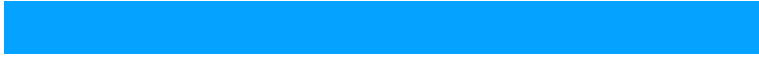
31.2098, 33.4467, 99.4187



40.5853, 33.4467, 10.6285

Square

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



31.2098, 33.4467, 99.4187



49.4983, 33.4467, 38.1156



32.3775, 33.4467, 7.9608



18.9066, 33.4467, 34.7711

Rectangle

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



31.2098, 33.4467, 99.4187



44.4119, 33.4467, 74.1229



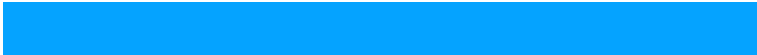
32.3775, 33.4467, 7.9608



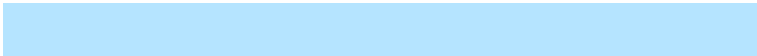
21.8196, 33.4467, 14.3249

Sweetspot

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



31.2110, 33.4477, 99.4188



64.8003, 72.4149, 105.1699



37.9679, 72.4105, 23.2151



13.1121, 14.7636, 22.4085



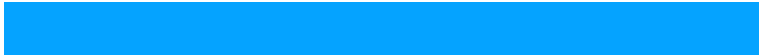
0.0000, 0.0000, 0.0000



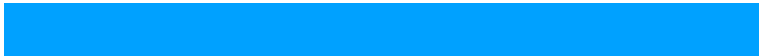
20.3446, 21.4041, 23.3091

Same Dimension

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



31.2110, 33.4477, 99.4188



30.8182, 32.7564, 99.3061



18.8195, 8.6646, 95.2883



17.9598, 19.2913, 23.0270



16.2507, 17.4109, 51.9387



1.6867, 1.9041, 5.0919

Inverse Universe

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



47.9061, 24.0146, 36.7614



47.6848, 23.8379, 35.8678



67.3033, 73.3421, 10.7549



18.4924, 18.1803, 21.2100



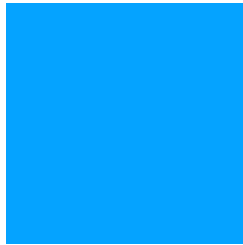
24.9908, 12.4856, 19.1338



2.4860, 1.2368, 2.1405

Previews

White Background



This preview shows how the XYZ color 31.2098, 33.4467, 99.4187 looks on a white background.

Color Contrast Check

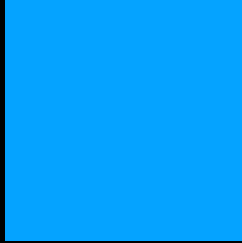
Large Text (above 18pt) WCAG AA × Fail

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 31.2098, 33.4467, 99.4187 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

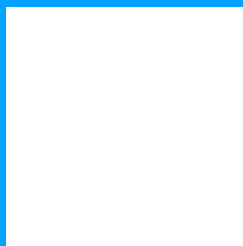
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2098, 33.4467, 99.4187

Background



This preview shows how black text looks on a background with the XYZ color 31.2098, 33.4467, 99.4187.



This preview shows how white text looks on a background with the XYZ color 31.2098, 33.4467,

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

31.2098, 33.4467, 99.4187

Protanopia

35.4554, 33.0421, 90.8953

Deuteranopia

34.3521, 33.2722, 99.2194



Tritanopia

23.7005, 33.3899, 51.0947

Trichromacy



Original Color

31.2098, 33.4467, 99.4187

Protanomaly

32.1292, 32.2362, 94.1513

Deuteranomaly

32.3116, 32.9769, 99.2699

Tritanomaly

25.8459, 33.0420, 65.9883

Monochromacy



Original Color

31.2098, 33.4467, 99.4187

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.2551, 23.2762, 42.9604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2098, 33.4467, 99.4187 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(5, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(5, 163, 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(5, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 163, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.2098, 33.4467, 99.4187 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(5, 163, 255) }
```


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

```
.border{ border-color:rgb(5, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(5, 163,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2098, 33.4467, 99.4187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 163, 255) }
```

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

```
.background{ background-color: rgb(5, 163,  
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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