

Converting Colors

XYZ(31.9997, 34.5057, 99.5814)

Have a look what the booklet for
XYZ(31.9997, 34.5057, 99.5814)
contains.

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Color

**XYZ(31.9311, 34.3499,
99.5550)**

Conversions

Conversions Part 1

Format	Color
Hex	1AA5FF
RGB	26, 165, 255
RGB Percent	10%, 65%, 100%
CMY	0.8979, 0.3529, 0.0000
CMYK	0.90, 0.35, 0.00, 0.00
HSL	204°, 100%, 55%
HSV	204°, 90%, 100%
XYZ	31.9311, 34.3499, 99.5550
YIQ	133.6990, -111.7340, -1.4780

Conversions

Conversions Part 2

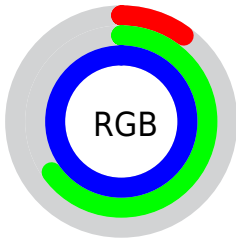
Format	Color
R _Y B	26, 112, 255
Decimal	1746431
CIE Lab	65.24, -2.58, -54.05
CIE LCh	65, 54.111, 267.263
Yxy	34.3499, 0.1925, 0.2071
Android (android.graphics.Color)	4279936511 (0xFF1AA5FF)
YUV	133.6990, 59.8014, -94.4520
Hunter-Lab	58.6088, -5.3154, -59.6860

Details

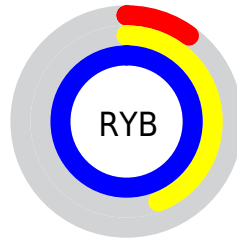
The XYZ color **31.9311, 34.3499, 99.5550** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **47.6760, 33.8331, 4.9970**, and the grayscale version is **22.3710, 23.5361, 25.6308**.

A 20% lighter version of the original color is **50.9793, 62.1883, 103.9244**, and **16.2104, 16.1118, 55.6816** is the 20% darker color. If you saturate the color by 10%, you get **29.7745, 30.6590, 98.9562**, and if you desaturate by 10%, it is **34.7771, 38.6074, 100.2268**.

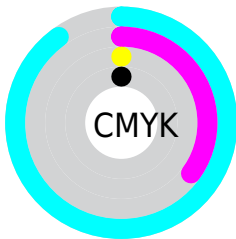
Distribution



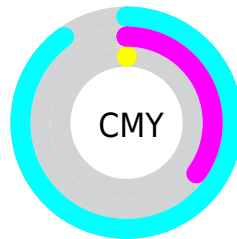
- Red (10%)
- Green (65%)
- Blue (100%)



- Red (10%)
- Yellow (44%)
- Blue (100%)



- Cyan (90%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9311, 34.3499, 99.5550 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 31.9311, 34.3499, 99.5550 by changing the saturation by 10% instead.

■ 31.9311, 34.3499,
99.5550

■ 31.9311, 34.3499,
99.5550

302.5561,
321.6894, 579.9995

■ 21.4642, 23.1625,
75.3141

■ 62.0690, 66.4774,
162.5921

■ 13.5781, 14.7136,
55.3670

■ 82.4706, 88.1864,
202.2253

■ 7.9076, 8.6186,
39.2951

■ 106.9146,
114.1713, 247.8265

■ 4.0872, 4.4933,
26.6797

■ 135.7662,
144.8166, 299.8141

■ 1.7516, 1.9531,
17.1025

■ 169.3908,
180.5067, 358.6066

■ 0.4882, 0.5800,
10.1449

208.1537,

■ 0.0000, 0.0000,

221.6259, 424.6227

5.3883

252.4204,
268.5587, 498.2808

■ 0.0000, 0.0000,
2.4141

■ 0.0000, 0.0000,
0.7941

■ 31.9311, 34.3499,
99.5550

■ 31.9311, 34.3499,
99.5550

■ 29.7745, 30.6590,
98.9562

■ 34.7771, 38.6074,
100.2268

■ 29.7328, 30.5856,
98.9443

■ 38.4724, 43.5172,
100.9797

■ 43.1213, 49.1382,
101.8196

■ 48.8112, 55.5197,
102.7515

■ 55.6184, 62.7052,
103.7797

■ 63.6117, 70.7344,
104.9081

■ 72.8539, 79.6436,
106.1407

■ 83.4033, 89.4668,
107.4807

■ 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.



25.1285, 34.3499, 86.9946



31.9311, 34.3499, 99.5550



40.0840, 34.3499, 90.6793

Triad

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



31.9311, 34.3499, 99.5550



48.0353, 34.3499, 20.8518



21.5004, 34.3499, 18.5162

Complementary

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



31.9311, 34.3499, 99.5550



47.6760, 33.8331, 4.9970

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.



26.1946, 34.3499, 10.5871



31.9311, 34.3499, 99.5550



41.5366, 34.3499, 11.5048

Square

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



31.9311, 34.3499, 99.5550



50.2203, 34.3499, 39.5096



33.3767, 34.3499, 8.6625



19.7439, 34.3499, 35.3692

Rectangle

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



31.9311, 34.3499, 99.5550



45.0746, 34.3499, 75.2040



33.3767, 34.3499, 8.6625



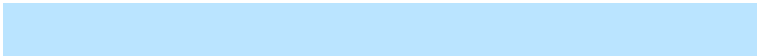
22.7459, 34.3499, 15.0228

Sweetspot

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



31.9323, 34.3509, 99.5551



66.0624, 73.1303, 105.2414



39.2130, 72.9505, 27.8755



13.5011, 15.0274, 22.4389



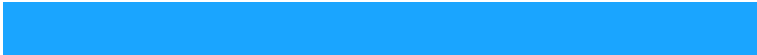
0.0000, 0.0000, 0.0000



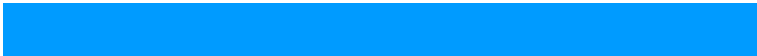
20.3446, 21.4041, 23.3091

Same Dimension

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



31.9323, 34.3509, 99.5551



29.7328, 30.5856, 98.9443



19.7385, 9.9633, 95.4905



17.9205, 19.2126, 23.0138



15.6857, 16.2810, 51.7504



1.6338, 1.7982, 5.0743

Inverse Universe

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



48.4018, 24.7170, 37.8179



47.1369, 23.6188, 32.9829



69.2494, 76.9798, 12.1881



18.4725, 18.1723, 21.1054



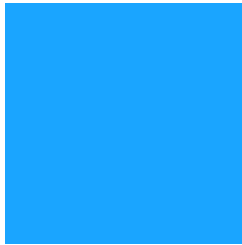
24.7056, 12.3715, 17.6321



2.4593, 1.2261, 1.9999

Previews

White Background



This preview shows how the XYZ color 31.9311, 34.3499, 99.5550 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 31.9311, 34.3499, 99.5550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

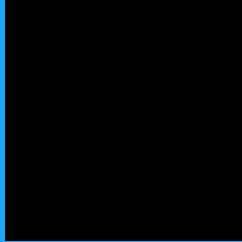
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

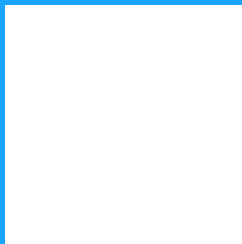
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9311, 34.3499, 99.5550

Background



This preview shows how black text looks on a background with the XYZ color 31.9311, 34.3499, 99.5550.

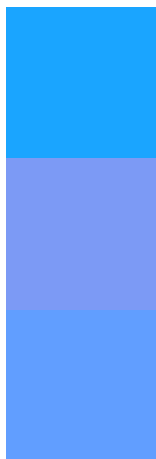


This preview shows how white text looks on a background with the XYZ color 31.9311, 34.3499,

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

31.9311, 34.3499, 99.5550

Protanopia

36.3492, 33.9889, 91.0309

Deuteranopia

35.2066, 34.2151, 99.3563



Tritanopia

24.2996, 34.2478, 52.3435

Trichromacy



Original Color

31.9311, 34.3499, 99.5550

Protanomaly

33.3502, 33.3680, 94.3054

Deuteranomaly

33.3934, 34.0493, 99.4199

Tritanomaly

26.5592, 33.9374, 67.4381

Monochromacy



Original Color

31.9311, 34.3499, 99.5550

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.8806, 25.8980, 45.9124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9311, 34.3499, 99.5550 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(26, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 165, 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(26, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 165, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.9311, 34.3499, 99.5550 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(26, 165, 255) }
```


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

```
.border{ border-color:rgb(26, 165, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 165,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9311, 34.3499, 99.5550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 165, 255) }
```

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

```
.background{ background-color: rgb(26, 165,  
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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