

Converting Colors

XYZ(30.1910, 31.4932, 99.0774)

Have a look what the booklet for
XYZ(30.1910, 31.4932, 99.0774)
contains.

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Color

**XYZ(30.1195, 31.3404,
99.0696)**

Conversions

Conversions Part 1

Format	Color
Hex	019DFF
RGB	1, 157, 255
RGB Percent	0%, 62%, 100%
CMY	0.9958, 0.3843, 0.0000
CMYK	1.00, 0.38, 0.00, 0.00
HSL	203°, 100%, 50%
HSV	203°, 100%, 100%
XYZ	30.1195, 31.3404, 99.0696
YIQ	121.5280, -124.4340, -2.5940

Conversions

Conversions Part 2

Format	Color
R _Y B	1, 98, 255
Decimal	105983
CIE Lab	62.79, 1.25, -57.95
CIE LCh	63, 57.963, 271.240
Yxy	31.3404, 0.1876, 0.1952
Android (android.graphics.Color)	4278296063 (0xFF019DFF)
YUV	121.5280, 65.8017, -105.7031
Hunter-Lab	55.9825, -1.9334, -65.7350

Details

The XYZ color **30.1195, 31.3404, 99.0696** 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 **45.7149, 30.2004, 3.4507**, and the grayscale version is **18.1749, 19.1214, 20.8233**.

A 20% lighter version of the original color is **48.0264, 57.2533, 103.1275**, and **15.3471, 14.3853, 55.3938** is the 20% darker color. If you saturate the color by 10%, you get **30.0370, 31.1939, 99.0457**, and if you desaturate by 10%, it is **32.2808, 35.0271, 99.6673**.

Distribution



- Red (0%)
- Green (62%)
- Blue (100%)



- Red (0%)
- Yellow (38%)
- Blue (100%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1195, 31.3404, 99.0696 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 30.1195, 31.3404, 99.0696 by changing the saturation by 10% instead.


 30.1195, 31.3404,
99.0696


 30.1195, 31.3404,
99.0696

294.3609,
308.1035, 578.4268


 20.0778, 20.8582,
74.9112


 59.2364, 61.7756,
161.9187


 12.5602, 13.0204,
55.0389

 79.0424, 82.4974,
201.4465


 7.2013, 7.4426,
39.0340


 102.8339,
107.4011, 246.9345

 3.6358, 3.7404,
26.4782

 130.9762,
136.8713, 298.8013

 1.4982, 1.5294,
16.9527

 163.8347,
171.2922, 357.4654

 0.3246, 0.3093,
10.0392

201.7747,

 0.0000, 0.0000,

211.0483, 423.3453

5.3190

245.1617,
256.5239, 496.8596

■ 0.0000, 0.0000,
2.3736

■ 0.0000, 0.0000,
0.7720

■ 30.1195, 31.3404,
99.0696

■ 30.1195, 31.3404,
99.0696

■ 30.0370, 31.1939,
99.0457

■ 32.2808, 35.0271,
99.6673

■ 35.1299, 39.2717,
100.3364

■ 38.8272, 44.1615,
101.0854

■ 43.4751, 49.7537,
101.9198

■ 49.1606, 56.0971,
102.8445

■ 55.9597, 63.2348,
103.8639

■ 63.9408, 71.2062,
104.9819

■ 73.1666, 80.0472,
106.2021

■ 83.6950, 89.7914,
107.5280

Harmonies

Analogous

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



23.0361, 31.3404, 88.5235



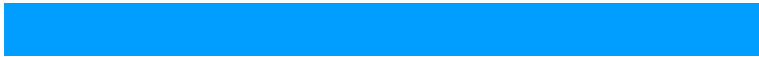
30.1195, 31.3404, 99.0696



38.4188, 31.3404, 86.7502

Triad

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



30.1195, 31.3404, 99.0696



44.8235, 31.3404, 16.1141



18.3185, 31.3404, 17.1278

Complementary

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



30.1195, 31.3404, 99.0696



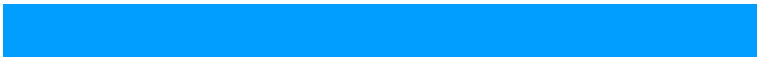
45.7149, 30.2004, 3.4507

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.



22.5577, 31.3404, 8.7458



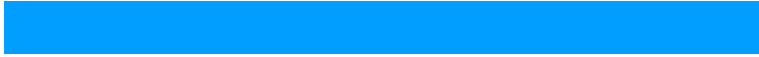
30.1195, 31.3404, 99.0696



37.7452, 31.3404, 8.3698

Square

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



30.1195, 31.3404, 99.0696



47.7857, 31.3404, 33.1875



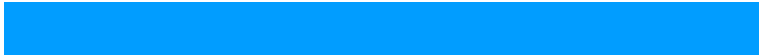
29.4592, 31.3404, 6.4345



16.9939, 31.3404, 35.0787

Rectangle

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



30.1195, 31.3404, 99.0696



43.3339, 31.3404, 69.4246



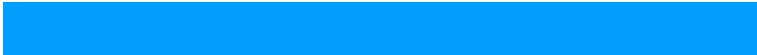
29.4592, 31.3404, 6.4345



19.4078, 31.3404, 13.4329

Sweetspot

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



30.1207, 31.3413, 99.0697



63.5790, 70.8522, 104.9326



37.9977, 72.4166, 23.6332



12.8612, 14.4269, 22.3568



0.0000, 0.0000, 0.0000



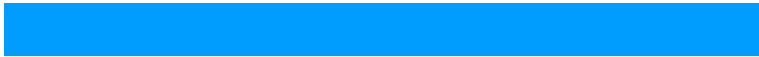
20.3446, 21.4041, 23.3091

Same Dimension

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



30.1207, 31.3413, 99.0697



30.0370, 31.1939, 99.0457



18.5457, 8.1914, 95.2114



17.9317, 19.2350, 23.0176



15.8441, 16.5978, 51.8032



1.6486, 1.8280, 5.0792

Inverse Universe

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



47.3376, 23.7177, 33.9818



47.2905, 23.6802, 33.7913



68.2728, 75.3161, 10.9700



18.4782, 18.1746, 21.1352



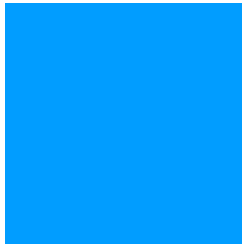
24.7856, 12.4035, 18.0531



2.4668, 1.2291, 2.0394

Previews

White Background



This preview shows how the XYZ color 30.1195, 31.3404, 99.0696 looks on a white background.

Color Contrast Check

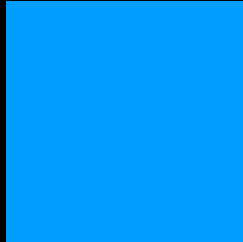
Large Text (above 18pt) WCAG AA × Fail

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 30.1195, 31.3404, 99.0696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

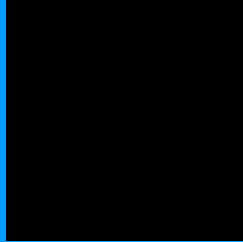
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

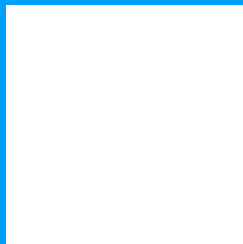
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1195, 31.3404, 99.0696

Background



This preview shows how black text looks on a background with the XYZ color 30.1195, 31.3404, 99.0696.



This preview shows how white text looks on a background with the XYZ color 30.1195, 31.3404,

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

30.1195, 31.3404, 99.0696

Protanopia

33.9065, 31.2784, 91.4390

Deuteranopia

32.3388, 31.2543, 98.9360



Tritanopia

22.2409, 31.3006, 48.0494

Trichromacy



Original Color

30.1195, 31.3404, 99.0696

Protanomaly

30.8380, 30.3505, 93.8554

Deuteranomaly

30.8722, 30.9842, 98.9611

Tritanomaly

24.5379, 31.0559, 63.7326

Monochromacy



Original Color

30.1195, 31.3404, 99.0696

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.0616, 21.8499, 41.2430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1195, 31.3404, 99.0696 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(1, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 157, 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(1, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 157, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.1195, 31.3404, 99.0696 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(1, 157, 255) }
```


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

```
.border{ border-color:rgb(1, 157, 255) }
```

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

Here you see how a box with a 4 pixel rgb(1, 157, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 157,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1195, 31.3404, 99.0696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 157, 255) }
```

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

```
.background{ background-color: rgb(1, 157,  
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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