

Converting Colors

XYZ(31.1205, 32.7474, 99.2884)

Have a look what the booklet for
XYZ(31.1205, 32.7474, 99.2884)
contains.

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Color

**XYZ(31.0468, 32.5812,
99.2602)**

Conversions

Conversions Part 1

Format	Color
Hex	1AA0FF
RGB	26, 160, 255
RGB Percent	10%, 63%, 100%
CMY	0.8979, 0.3725, 0.0000
CMYK	0.90, 0.37, 0.00, 0.00
HSL	205°, 100%, 55%
HSV	205°, 90%, 100%
XYZ	31.0468, 32.5812, 99.2602
YIQ	130.7640, -110.3590, 1.1370

Conversions

Conversions Part 2

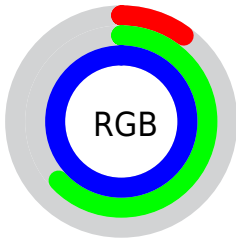
Format	Color
R _Y B	26, 111, 255
Decimal	1745151
CIE Lab	63.82, 0.29, -56.30
CIE LCh	64, 56.305, 270.299
Yxy	32.5812, 0.1906, 0.2000
Android (android.graphics.Color)	4279935231 (0xFF1AA0FF)
YUV	130.7640, 61.2483, -91.8780
Hunter-Lab	57.0799, -2.8006, -63.1475

Details

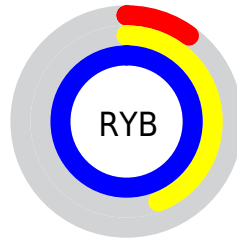
The XYZ color **31.0468, 32.5812, 99.2602** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **48.2686, 35.0183, 5.1946**, and the grayscale version is **21.3106, 22.4204, 24.4158**.

A 20% lighter version of the original color is **49.4327, 59.0950, 103.4088**, and **15.6617, 15.0145, 55.4987** is the 20% darker color. If you saturate the color by 10%, you get **28.8709, 28.8518, 98.6550**, and if you desaturate by 10%, it is **33.9265, 36.9058, 99.9432**.

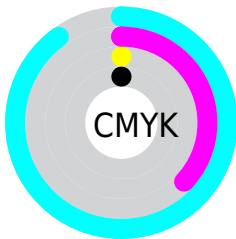
Distribution



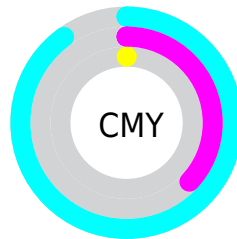
- Red (10%)
- Green (63%)
- Blue (100%)



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



- Cyan (90%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0468, 32.5812, 99.2602 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 31.0468, 32.5812, 99.2602 by changing the saturation by 10% instead.

■ 31.0468, 32.5812,
99.2602

■ 31.0468, 32.5812,
99.2602

298.5769,
313.7584, 579.0446

■ 20.7865, 21.8058,
75.0694

■ 60.6891, 63.7211,
162.1832

■ 13.0796, 13.7143,
55.1677

■ 80.8018, 84.8544,
201.7524

■ 7.5608, 7.9222,
39.1365

■ 104.9293,
110.2092, 247.2849

■ 3.8646, 4.0452,
26.5573

■ 133.4370,
140.1698, 299.1991

■ 1.6258, 1.6989,
17.0115

■ 166.6903,
175.1206, 357.9137

■ 0.4092, 0.4229,
10.0806

205.0544,

■ 0.0000, 0.0000,

215.4461, 423.8471

5.3462

248.8949,
261.5305, 497.4179

■ 0.0000, 0.0000,
2.3895

■ 0.0000, 0.0000,
0.7807

■ 31.0468, 32.5812,
99.2602

■ 31.0468, 32.5812,
99.2602

■ 28.8709, 28.8518,
98.6550

■ 33.9265, 36.9058,
99.9432

■ 28.8288, 28.7776,
98.6429

■ 37.6704, 41.9129,
100.7123

■ 42.3836, 47.6623,
101.5736

■ 48.1539, 54.2044,
102.5323

■ 55.0582, 61.5840,
103.5928

■ 63.1658, 69.8417,
104.7593

■ 72.5401, 79.0147,
106.0358

■ 83.2396, 89.1381,
107.4259

■ 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.



24.0287, 32.5812, 88.3302



31.0468, 32.5812, 99.2602



39.2886, 32.5812, 87.9138

Triad

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



31.0468, 32.5812, 99.2602



46.0366, 32.5812, 17.7303



19.5496, 32.5812, 17.9791

Complementary

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



31.0468, 32.5812, 99.2602



48.2686, 35.0183, 5.1946

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.



23.9129, 32.5812, 9.5972



31.0468, 32.5812, 99.2602



39.1279, 32.5812, 9.5026

Square

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



31.0468, 32.5812, 99.2602



48.7947, 32.5812, 35.2488



30.8882, 32.5812, 7.3184



18.1163, 32.5812, 35.7029

Rectangle

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



31.0468, 32.5812, 99.2602



44.1996, 32.5812, 71.1917



30.8882, 32.5812, 7.3184



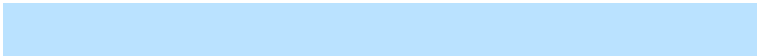
20.6810, 32.5812, 14.2972

Sweetspot

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



31.0480, 32.5822, 99.2603



65.6505, 72.3067, 105.1042



39.4346, 73.0392, 29.0417



13.4038, 14.8328, 22.4065



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.



31.0480, 32.5822, 99.2603



28.8288, 28.7776, 98.6429



19.5725, 9.6312, 95.4352



17.8862, 19.1440, 23.0024



15.2145, 15.3386, 51.5933



1.5892, 1.7092, 5.0594

Inverse Universe

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



47.9555, 24.5386, 35.4672



46.6806, 23.4363, 30.5801



70.3127, 79.1064, 12.5427



18.4552, 18.1654, 21.0142



24.4678, 12.2764, 16.3796



2.4368, 1.2171, 1.8815

Previews

White Background



This preview shows how the XYZ color 31.0468, 32.5812, 99.2602 looks on a white background.

Color Contrast Check

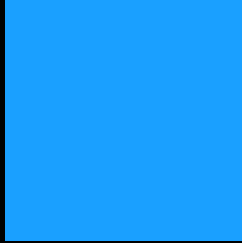
Large Text (above 18pt) WCAG AA × Fail

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 31.0468, 32.5812, 99.2602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

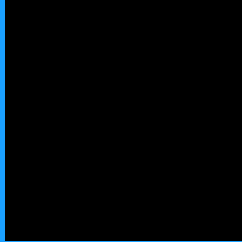
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

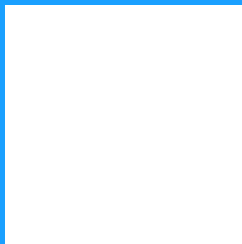
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0468, 32.5812, 99.2602

Background



This preview shows how black text looks on a background with the XYZ color 31.0468, 32.5812, 99.2602.



This preview shows how white text looks on a background with the XYZ color 31.0468, 32.5812,

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

31.0468, 32.5812, 99.2602

Protanopia

34.7434, 32.1795, 91.5689

Deuteranopia

33.6091, 32.6411, 99.1367



Tritanopia

23.1102, 32.5447, 49.8635

Trichromacy



Original Color

31.0468, 32.5812, 99.2602

Protanomaly

32.2218, 31.7898, 94.0603

Deuteranomaly

32.2213, 32.4239, 99.1679

Tritanomaly

25.4400, 32.2990, 65.2151

Monochromacy



Original Color

31.0468, 32.5812, 99.2602

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.0237, 24.8077, 44.7019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0468, 32.5812, 99.2602 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, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 160, 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, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 160, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.0468, 32.5812, 99.2602 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, 160, 255) }
```


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

```
.border{ border-color:rgb(26, 160, 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, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 160,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0468, 32.5812, 99.2602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 160, 255) }
```

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

```
.background{ background-color: rgb(26, 160,  
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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