

Converting Colors

XYZ(30.7752, 32.4809, 99.2551)

Have a look what the booklet for
XYZ(30.7752, 32.4809, 99.2551)
contains.

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Color

**XYZ(30.7460, 32.4261,
99.2461)**

Conversions

Conversions Part 1

Format	Color
Hex	0AA0FF
RGB	10, 160, 255
RGB Percent	4%, 63%, 100%
CMY	0.9605, 0.3725, 0.0000
CMYK	0.96, 0.37, 0.00, 0.00
HSL	203°, 100%, 52%
HSV	203°, 96%, 100%
XYZ	30.7460, 32.4261, 99.2461
YIQ	125.9800, -119.8950, -2.2550

Conversions

Conversions Part 2

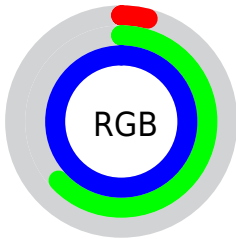
Format	Color
R _Y B	10, 103, 255
Decimal	696575
CIE Lab	63.69, -0.28, -56.51
CIE LCh	64, 56.514, 269.721
Yxy	32.4261, 0.1893, 0.1996
Android (android.graphics.Color)	4278886655 (0xFF0AA0FF)
YUV	125.9800, 63.6069, -101.7145
Hunter-Lab	56.9439, -3.2735, -63.4743

Details

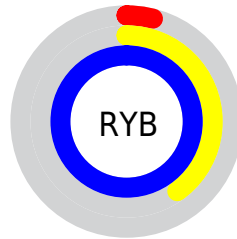
The XYZ color **30.7460, 32.4261, 99.2461** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **46.3549, 31.4015, 3.9074**, and the grayscale version is **19.6529, 20.6764, 22.5166**.

A 20% lighter version of the original color is **49.0360, 58.8905, 103.3903**, and **15.6617, 15.0145, 55.4987** is the 20% darker color. If you saturate the color by 10%, you get **29.9537, 31.0275, 99.0179**, and if you desaturate by 10%, it is **33.1175, 36.2965, 99.8682**.

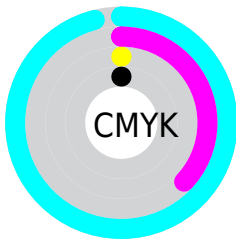
Distribution



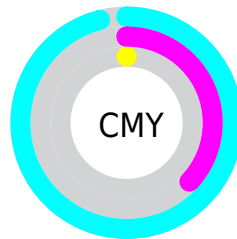
- Red (4%)
- Green (63%)
- Blue (100%)



- Red (4%)
- Yellow (40%)
- Blue (100%)



- Cyan (96%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (96%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7460, 32.4261, 99.2461 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 30.7460, 32.4261, 99.2461 by changing the saturation by 10% instead.

■ 30.7460, 32.4261,
99.2461

■ 30.7460, 32.4261,
99.2461

297.2143,
313.0557, 578.9989

■ 20.5564, 21.6872,
75.0577

■ 60.2185, 63.4785,
162.1636

■ 12.9107, 13.6272,
55.1581

■ 80.2321, 84.5607,
201.7298

■ 7.4437, 7.8619,
39.1289

■ 104.2511,
109.8595, 247.2590

■ 3.7899, 4.0067,
26.5514

■ 132.6409,
139.7593, 299.1697

■ 1.5840, 1.6773,
17.0072

■ 165.7667,
174.6444, 357.8805

■ 0.3819, 0.4089,
10.0776

203.9940,

■ 0.0000, 0.0000,

214.8992, 423.8100

5.3441

247.6880,
260.9082, 497.3766

■ 0.0000, 0.0000,
2.3883

■ 0.0000, 0.0000,
0.7801

■ 30.7460, 32.4261,
99.2461

■ 30.7460, 32.4261,
99.2461

■ 29.9537, 31.0275,
99.0179

■ 33.1175, 36.2965,
99.8682

■ 36.2569, 40.7696,
100.5661

■ 40.2843, 45.9119,
101.3464

■ 45.2960, 51.7773,
102.2144

■ 51.3744, 58.4124,
103.1747

■ 58.5928, 65.8591,
104.2316

■ 67.0175, 74.1554,
105.3890

■ 76.7093, 83.3365,
106.6503

■ 87.7247, 93.4353,
108.0190

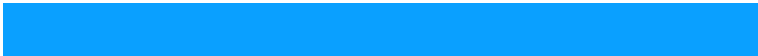
Harmonies

Analogous

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



23.7687, 32.4261, 87.8740



30.7460, 32.4261, 99.2461



38.9935, 32.4261, 88.2643

Triad

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



30.7460, 32.4261, 99.2461



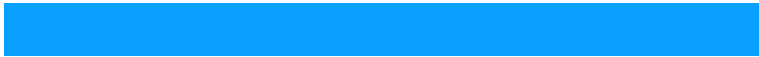
46.0081, 32.4261, 17.8128



19.4615, 32.4261, 17.5809

Complementary

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



30.7460, 32.4261, 99.2461



46.3549, 31.4015, 3.9074

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.



23.8768, 32.4261, 9.3775



30.7460, 32.4261, 99.2461



39.1438, 32.4261, 9.4654

Square

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



30.7460, 32.4261, 99.2461



48.6715, 32.4261, 35.5191



30.8942, 32.4261, 7.2034



17.9738, 32.4261, 35.0947

Rectangle

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



30.7460, 32.4261, 99.2461



43.9427, 32.4261, 71.6254



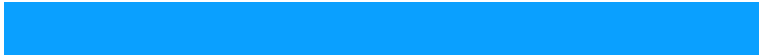
30.8942, 32.4261, 7.2034



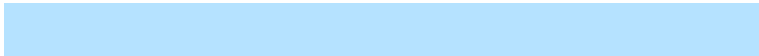
20.6106, 32.4261, 13.9668

Sweetspot

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



30.7472, 32.4270, 99.2462



64.4003, 71.6147, 105.0365



38.3832, 72.5838, 25.0749



13.0163, 14.5718, 22.3766



0.0000, 0.0000, 0.0000



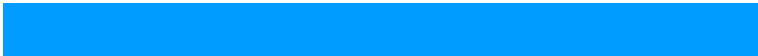
20.3446, 21.4041, 23.3091

Same Dimension

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



30.7472, 32.4270, 99.2462



29.9537, 31.0275, 99.0179



18.8904, 8.7135, 95.2940



17.9287, 19.2289, 23.0166



15.8008, 16.5111, 51.7888



1.6446, 1.8199, 5.0779

Inverse Universe

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



47.6947, 24.0169, 35.3802



47.2485, 23.6634, 33.5701



68.6076, 75.9068, 11.3250



18.4766, 18.1740, 21.1271



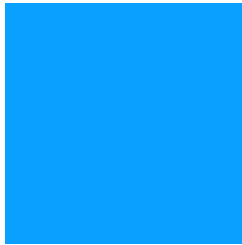
24.7637, 12.3948, 17.9379



2.4647, 1.2283, 2.0286

Previews

White Background



This preview shows how the XYZ color 30.7460, 32.4261, 99.2461 looks on a white background.

Color Contrast Check

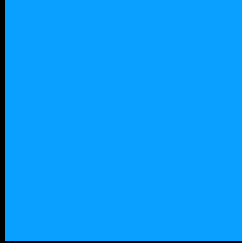
Large Text (above 18pt) WCAG AA × Fail

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 30.7460, 32.4261, 99.2461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

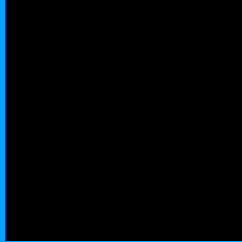
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

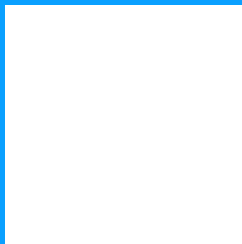
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7460, 32.4261, 99.2461

Background



This preview shows how black text looks on a background with the XYZ color 30.7460, 32.4261, 99.2461.



This preview shows how white text looks on a background with the XYZ color 30.7460, 32.4261,

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

30.7460, 32.4261, 99.2461

Protanopia

34.7434, 32.1795, 91.5689

Deuteranopia

33.3519, 32.2625, 99.0772



Tritanopia

22.8182, 32.1268, 49.2544

Trichromacy



Original Color

30.7460, 32.4261, 99.2461

Protanomaly

31.7151, 31.5285, 94.0366

Deuteranomaly

31.6834, 31.8965, 99.0945

Tritanomaly

25.1949, 31.9017, 65.1513

Monochromacy



Original Color

30.7460, 32.4261, 99.2461

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.2875, 23.0789, 42.9206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7460, 32.4261, 99.2461 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(10, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(10, 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(10, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 160, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.7460, 32.4261, 99.2461 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(10, 160, 255) }
```


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

```
.border{ border-color:rgb(10, 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(10, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(10, 160,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7460, 32.4261, 99.2461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 160, 255) }
```

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

```
.background{ background-color: rgb(10, 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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