

Converting Colors

XYZ(30.4536, 32.6799, 97.1726)

Have a look what the booklet for
XYZ(30.4536, 32.6799, 97.1726)
contains.

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Color

**XYZ(30.3156, 32.5180,
96.7743)**

Conversions

Conversions Part 1

Format	Color
Hex	00A1FC
RGB	0, 161, 252
RGB Percent	0%, 63%, 99%
CMY	0.9997, 0.3686, 0.0118
CMYK	1.00, 0.36, 0.00, 0.01
HSL	202°, 100%, 49%
HSV	202°, 100%, 99%
XYZ	30.3156, 32.5180, 96.7743
YIQ	123.2350, -125.1670, -5.8310

Conversions

Conversions Part 2

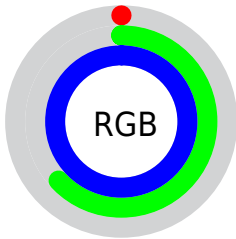
Format	Color
RYB	0, 98, 252
Decimal	41468
CIELab	63.77, -2.21, -54.76
CIELCh	64, 54.805, 267.690
Yxy	32.5180, 0.1899, 0.2037
Android (android.graphics.Color)	4278231548 (0xFF00A1FC)
YUV	123.2350, 63.4811, -108.0771
Hunter-Lab	57.0246, -4.8982, -60.7017

Details

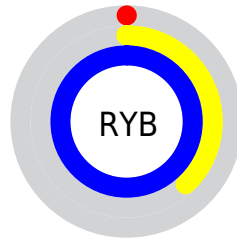
The XYZ color **30.3156, 32.5180, 96.7743** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **43.8935, 28.1914, 3.1303**, and the grayscale version is **18.7391, 19.7150, 21.4696**.

A 20% lighter version of the original color is **48.9060, 59.2004, 103.4569**, and **15.4263, 15.0920, 53.7298** is the 20% darker color. If you saturate the color by 10%, you get **30.3109, 32.5085, 96.7734**, and if you desaturate by 10%, it is **32.3729, 36.0271, 97.3439**.

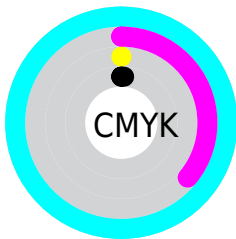
Distribution



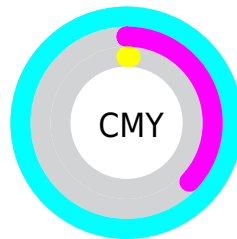
- Red (0%)
- Green (63%)
- Blue (99%)



- Red (0%)
- Yellow (38%)
- Blue (99%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (37%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3156, 32.5180, 96.7743 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 30.3156, 32.5180, 96.7743 by changing the saturation by 10% instead.

■ 30.3156, 32.5180,
96.7743

■ 30.3156, 32.5180,
96.7743

295.2563,
313.4722, 570.9585

■ 20.2275, 21.7575,
73.0076

■ 59.5441, 63.6223,
158.7302

■ 12.6698, 13.6788,
53.4903

■ 79.4153, 84.7348,
197.7565

■ 7.2770, 7.8976,
37.8039

■ 103.2782,
110.0668, 242.7063

■ 3.6838, 4.0295,
25.5299

■ 131.4982,
140.0026, 293.9983

■ 1.5248, 1.6901,
16.2497

■ 164.4407,
174.9266, 352.0510

■ 0.3426, 0.4172,
9.5447

202.4709,

■ 0.0000, 0.0000,

215.2233, 417.2829

4.9965

245.9543,
261.2770, 490.1126

■ 0.0000, 0.0000,
2.1865

■ 0.0000, 0.0000,
0.6666

■ 30.3156, 32.5180,
96.7743

■ 30.3156, 32.5180,
96.7743

■ 30.3109, 32.5085,
96.7734

■ 32.3729, 36.0271,
97.3439

■ 35.0716, 40.0419,
97.9766

■ 38.5754, 44.6506,
98.6815

■ 42.9842, 49.9082,
99.4640

■ 48.3823, 55.8612,
100.3285

■ 54.8434, 62.5507,
101.2792

■ 62.4338, 70.0141,
102.3197

■ 71.2141, 78.2856,
103.4535

■ 81.2401, 87.3970,
104.6837

Harmonies

Analogous

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



23.6617, 32.5180, 84.5816



30.3156, 32.5180, 96.7743



38.2966, 32.5180, 87.6666

Triad

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



30.3156, 32.5180, 96.7743



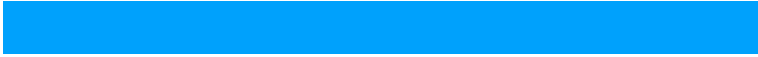
45.9282, 32.5180, 19.1547



20.0234, 32.5180, 17.2593

Complementary

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



30.3156, 32.5180, 96.7743



43.8935, 28.1914, 3.1303

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.



24.5356, 32.5180, 9.5961



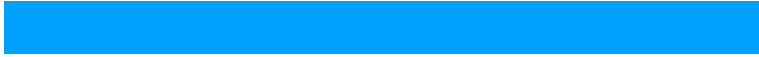
30.3156, 32.5180, 96.7743



39.4991, 32.5180, 10.3284

Square

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



30.3156, 32.5180, 96.7743



48.1517, 32.5180, 37.1399



31.5068, 32.5180, 7.7182



18.3670, 32.5180, 33.7281

Rectangle

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



30.3156, 32.5180, 96.7743



43.1761, 32.5180, 72.2247



31.5068, 32.5180, 7.7182



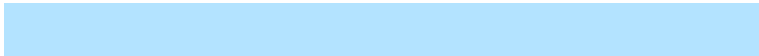
21.2154, 32.5180, 13.8737

Sweetspot

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



30.3169, 32.5190, 96.7752



64.0945, 71.8831, 105.1044



36.5836, 70.3307, 20.9343



12.9841, 14.6727, 22.3977



0.0000, 0.0000, 0.0000



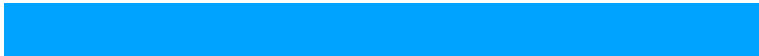
20.3446, 21.4041, 23.3091

Same Dimension

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



30.3169, 32.5190, 96.7752



31.1274, 33.3748, 99.4091



18.2607, 8.4066, 92.7564



17.2077, 18.4922, 22.0477



15.9341, 17.2237, 50.4582



1.5763, 1.7962, 4.7068

Inverse Universe

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



46.5792, 23.2706, 35.7555



47.8409, 23.9003, 36.6897



64.2461, 68.8966, 9.9145



17.7114, 17.4119, 20.3359



24.3348, 12.1496, 19.0033



2.3046, 1.1456, 2.0272

Previews

White Background



This preview shows how the XYZ color 30.3156, 32.5180, 96.7743 looks on a white background.

Color Contrast Check

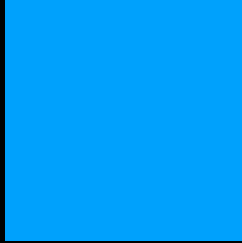
Large Text (above 18pt) WCAG AA × Fail

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 30.3156, 32.5180, 96.7743 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

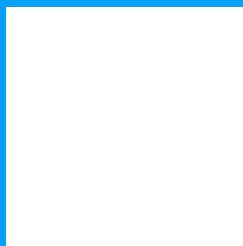
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3156, 32.5180, 96.7743

Background



This preview shows how black text looks on a background with the XYZ color 30.3156, 32.5180, 96.7743.



This preview shows how white text looks on a background with the XYZ color 30.3156, 32.5180,

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

30.3156, 32.5180, 96.7743

Protanopia

34.5411, 32.1454, 88.3886

Deuteranopia

33.5648, 32.3908, 98.2489



Tritanopia

23.1102, 32.5447, 49.8635

Trichromacy



Original Color

30.3156, 32.5180, 96.7743

Protanomaly

31.1706, 31.3015, 91.5877

Deuteranomaly

31.4739, 32.0756, 97.4609

Tritanomaly

25.2039, 32.1915, 64.5597

Monochromacy



Original Color

30.3156, 32.5180, 96.7743

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.3432, 22.4133, 41.3369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3156, 32.5180, 96.7743 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(0, 161, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 252)  
}
```

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(0, 161, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 252) }
```

Border

The CSS property to change the border of an element to XYZ 30.3156, 32.5180, 96.7743 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(0, 161, 252) }
```


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

```
.border{ border-color:rgb(0, 161, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3156, 32.5180, 96.7743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 252) }
```

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

```
.background{ background-color: rgb(0, 161,  
252) }
```

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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