

Converting Colors

XYZ(30.7768, 33.3262, 97.2803)

Have a look what the booklet for
XYZ(30.7768, 33.3262, 97.2803)
contains.

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Color

**XYZ(30.6679, 33.2227,
96.8917)**

Conversions

Conversions Part 1

Format	Color
Hex	00A3FC
RGB	0, 163, 252
RGB Percent	0%, 64%, 99%
CMY	0.9997, 0.3608, 0.0118
CMYK	1.00, 0.35, 0.00, 0.01
HSL	201°, 100%, 49%
HSV	201°, 100%, 99%
XYZ	30.6679, 33.2227, 96.8917
YIQ	124.4090, -125.7170, -6.8770

Conversions

Conversions Part 2

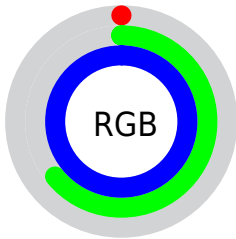
Format	Color
RYB	0, 99, 252
Decimal	41980
CIELab	64.34, -3.36, -53.85
CIELCh	64, 53.956, 266.434
Yxy	33.2227, 0.1907, 0.2066
Android (android.graphics.Color)	4278232060 (0xFF00A3FC)
YUV	124.4090, 62.9024, -109.1067
Hunter-Lab	57.6391, -5.8945, -59.3194

Details

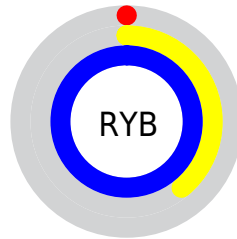
The XYZ color **30.6679, 33.2227, 96.8917** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **43.7241, 27.8528, 3.0738**, and the grayscale version is **19.1291, 20.1253, 21.9164**.

A 20% lighter version of the original color is **49.6769, 60.7423, 103.7139**, and **15.6445, 15.5285, 53.8025** is the 20% darker color. If you saturate the color by 10%, you get **30.6636, 33.2139, 96.8910**, and if you desaturate by 10%, it is **32.7128, 36.7071, 97.4572**.

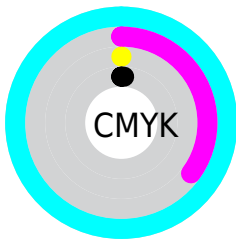
Distribution



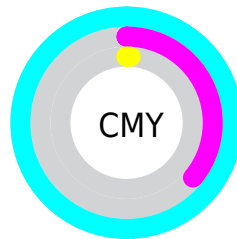
- Red (0%)
- Green (64%)
- Blue (99%)



- Red (0%)
- Yellow (39%)
- Blue (99%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (1%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6679, 33.2227, 96.8917 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 30.6679, 33.2227, 96.8917 by changing the saturation by 10% instead.

■ 30.6679, 33.2227,
96.8917

■ 30.6679, 33.2227,
96.8917

296.8597,
316.6520, 571.3418

■ 20.4967, 22.2971,
73.1049

■ 60.0962, 64.7231,
158.8935

■ 12.8670, 14.0754,
53.5694

■ 80.0841, 86.0666,
197.9455

■ 7.4134, 8.1731,
37.8667

■ 104.0748,
111.6516, 242.9230

■ 3.7705, 4.2059,
25.5782

■ 132.4338,
141.8624, 294.2446

■ 1.5732, 1.7894,
16.2854

■ 165.5265,
177.0835, 352.3287

■ 0.3748, 0.4806,
9.5698

203.7181,

■ 0.0000, 0.0000,

217.6992, 417.5939

5.0128

247.3740,
264.0939, 490.4587

■ 0.0000, 0.0000,
2.1959

■ 0.0000, 0.0000,
0.6720

■ 30.6679, 33.2227,
96.8917

■ 30.6679, 33.2227,
96.8917

■ 30.6636, 33.2139,
96.8910

■ 32.7128, 36.7071,
97.4572

■ 35.3943, 40.6877,
98.0842

■ 38.8761, 45.2526,
98.7818

■ 43.2579, 50.4562,
99.5553

■ 48.6237, 56.3449,
100.4091

■ 55.0472, 62.9596,
101.3473

■ 62.5946, 70.3373,
102.3735

■ 71.3262, 78.5118,
103.4912

■ 81.2979, 87.5148,
104.7034

Harmonies

Analogous

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



24.0991, 33.2227, 84.0659



30.6679, 33.2227, 96.8917



38.6141, 33.2227, 88.7642

Triad

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



30.6679, 33.2227, 96.8917



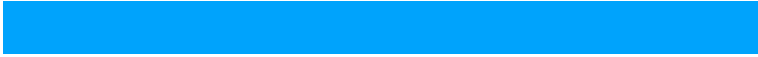
46.7239, 33.2227, 20.4305



20.8060, 33.2227, 17.4739

Complementary

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



30.6679, 33.2227, 96.8917



43.7241, 27.8528, 3.0738

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.



25.4518, 33.2227, 9.9894



30.6679, 33.2227, 96.8917



40.4613, 33.2227, 11.1464

Square

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



30.6679, 33.2227, 96.8917



48.7183, 33.2227, 38.8676



32.5043, 33.2227, 8.2605



19.0178, 33.2227, 33.6076

Rectangle

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



30.6679, 33.2227, 96.8917



43.5249, 33.2227, 73.8284



32.5043, 33.2227, 8.2605



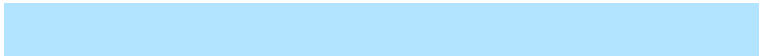
22.0443, 33.2227, 14.1616

Sweetspot

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



30.6692, 33.2237, 96.8926



64.2614, 72.2170, 105.1601



36.5834, 70.3305, 20.9336



13.0240, 14.7524, 22.4110



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.



30.6692, 33.2237, 96.8926



31.4898, 34.0995, 99.5299



18.2605, 8.4063, 92.7563



17.2197, 18.5163, 22.0517



16.1168, 17.5893, 50.5192



1.5924, 1.8285, 4.7122

Inverse Universe

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



46.7570, 23.3416, 36.6921



48.0238, 23.9735, 37.6529



64.2458, 68.8962, 9.9143



17.7174, 17.4143, 20.3678



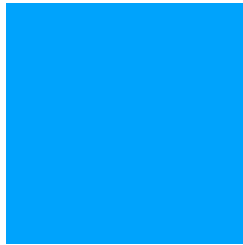
24.4271, 12.1865, 19.4892



2.3127, 1.1488, 2.0700

Previews

White Background



This preview shows how the XYZ color 30.6679, 33.2227, 96.8917 looks on a white background.

Color Contrast Check

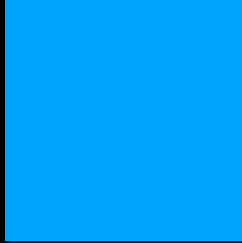
Large Text (above 18pt) WCAG AA × Fail

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 30.6679, 33.2227, 96.8917 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

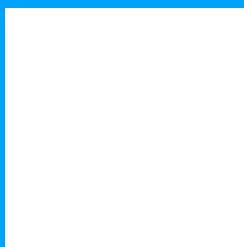
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6679, 33.2227, 96.8917

Background



This preview shows how black text looks on a background with the XYZ color 30.6679, 33.2227, 96.8917.

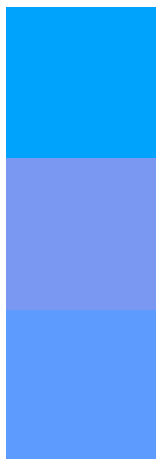


This preview shows how white text looks on a background with the XYZ color 30.6679, 33.2227,

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

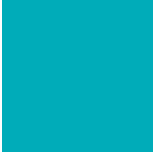
30.6679, 33.2227, 96.8917

Protanopia

35.2813, 33.0049, 88.5155

Deuteranopia

34.2921, 33.2598, 98.3783



Tritanopia

23.5095, 33.0078, 51.0310

Trichromacy



Original Color

30.6679, 33.2227, 96.8917

Protanomaly

31.6649, 32.0505, 91.7062

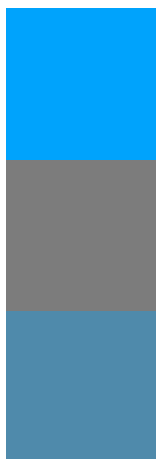
Deuteranomaly

31.9314, 32.8179, 97.5800

Tritanomaly

25.6966, 32.9794, 65.3329

Monochromacy



Original Color

30.6679, 33.2227, 96.8917

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.6636, 22.7795, 41.8886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6679, 33.2227, 96.8917 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, 163, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 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, 163, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 252) }
```

Border

The CSS property to change the border of an element to XYZ 30.6679, 33.2227, 96.8917 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, 163, 252) }
```


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

```
.border{ border-color:rgb(0, 163, 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, 163, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6679, 33.2227, 96.8917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 252) }
```

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

```
.background{ background-color: rgb(0, 163,  
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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