

Converting Colors

XYZ(22.6606, 28.8406, 95.3682)

Have a look what the booklet for
XYZ(22.6606, 28.8406, 95.3682)
contains.

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Color

**XYZ(30.3329, 32.8057,
96.0002)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2FB
RGB	0, 162, 251
RGB Percent	0%, 64%, 98%
CMY	0.9997, 0.3647, 0.0157
CMYK	1.00, 0.35, 0.00, 0.02
HSL	201°, 100%, 49%
HSV	201°, 100%, 98%
XYZ	30.3329, 32.8057, 96.0002
YIQ	123.7080, -125.1210, -6.6650

Conversions

Conversions Part 2

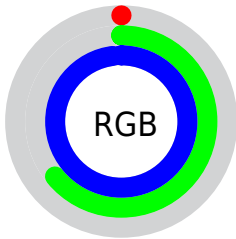
Format	Color
RYB	0, 98, 251
Decimal	41723
CIELab	64.00, -3.15, -53.84
CIELCh	64, 53.934, 266.647
Yxy	32.8057, 0.1906, 0.2061
Android (android.graphics.Color)	4278231803 (0xFF00A2FB)
YUV	123.7080, 62.7550, -108.4919
Hunter-Lab	57.2763, -5.7017, -59.2820

Details

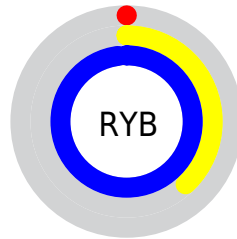
The XYZ color **30.3329, 32.8057, 96.0002** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **43.3627, 27.6661, 3.0567**, and the grayscale version is **18.8966, 19.8807, 21.6501**.

A 20% lighter version of the original color is **49.1614, 59.7112, 103.5421**, and **15.4220, 15.2639, 53.1723** is the 20% darker color. If you saturate the color by 10%, you get **30.3288, 32.7973, 95.9995**, and if you desaturate by 10%, it is **32.3626, 36.2635, 96.5614**.

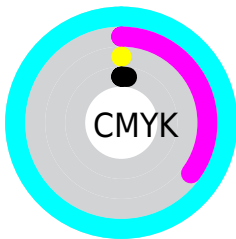
Distribution



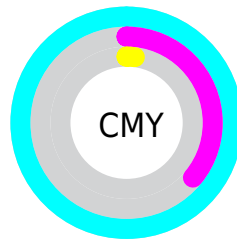
- Red (0%)
- Green (64%)
- Blue (98%)



- Red (0%)
- Yellow (38%)
- Blue (98%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (36%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3329, 32.8057, 96.0002 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 30.3329, 32.8057, 96.0002 by changing the saturation by 10% instead.

■ 30.3329, 32.8057,
96.0002

■ 30.3329, 32.8057,
96.0002

295.3352,
314.7733, 568.4280

■ 20.2407, 21.9776,
72.3662

■ 59.5713, 64.0721,
157.6531

■ 12.6794, 13.8405,
52.9692

■ 79.4482, 85.2792,
196.5092

■ 7.2836, 8.0098,
37.3907

■ 103.3174,
110.7147, 241.2764

■ 3.6880, 4.1012,
25.2120

■ 131.5442,
140.7631, 292.3732

■ 1.5272, 1.7303,
16.0146

■ 164.4941,
175.8088, 350.2183

■ 0.3442, 0.4432,
9.3800

202.5323,

■ 0.0000, 0.0000,

216.2361, 415.2301

4.8897

246.0242,
262.4295, 487.8271

■ 0.0000, 0.0000,
2.1251

■ 0.0000, 0.0000,
0.6306

■ 30.3329, 32.8057,
96.0002

■ 30.3329, 32.8057,
96.0002

■ 30.3288, 32.7973,
95.9995

■ 32.3626, 36.2635,
96.5614

■ 35.0238, 40.2145,
97.1837

■ 38.4786, 44.7461,
97.8763

■ 42.8260, 49.9121,
98.6443

■ 48.1492, 55.7587,
99.4923

■ 54.5211, 62.3263,
100.4241

■ 62.0072, 69.6515,
101.4435

■ 70.6674, 77.7681,
102.5537

■ 80.5571, 86.7074,
103.7579

Harmonies

Analogous

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



23.8089, 32.8057, 83.3946



30.3329, 32.8057, 96.0002



38.2134, 32.8057, 87.7825

Triad

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



30.3329, 32.8057, 96.0002



46.1705, 32.8057, 20.0307



20.4871, 32.8057, 17.2806

Complementary

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



30.3329, 32.8057, 96.0002



43.3627, 27.6661, 3.0567

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.



25.0688, 32.8057, 9.8332



30.3329, 32.8057, 96.0002



39.9361, 32.8057, 10.9072

Square

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



30.3329, 32.8057, 96.0002



48.1853, 32.8057, 38.2271



32.0444, 32.8057, 8.0942



18.7372, 32.8057, 33.3247

Rectangle

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



30.3329, 32.8057, 96.0002



43.0748, 32.8057, 72.8960



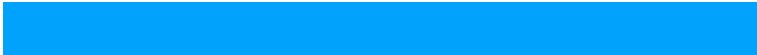
32.0444, 32.8057, 8.0942



21.7065, 32.8057, 13.9857

Sweetspot

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



30.3342, 32.8067, 96.0011



64.2319, 72.1579, 105.1502



36.2555, 69.6982, 20.7524



13.0169, 14.7383, 22.4087



0.0000, 0.0000, 0.0000



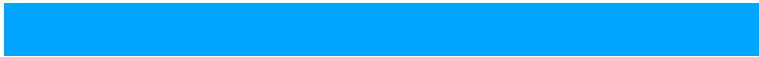
20.3446, 21.4041, 23.3091

Same Dimension

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



30.3342, 32.8067, 96.0011



31.4253, 33.9706, 99.5084



18.0975, 8.3334, 91.9222



17.2176, 18.5120, 22.0510



16.0843, 17.5242, 50.5083



1.5895, 1.8228, 4.7112

Inverse Universe

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



46.3065, 23.1196, 36.2050



47.9912, 23.9605, 37.4816



63.6696, 68.2801, 9.8257



17.7164, 17.4139, 20.3621



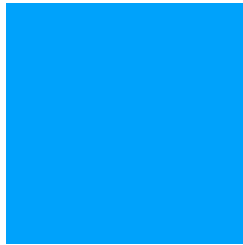
24.4107, 12.1800, 19.4028



2.3112, 1.1482, 2.0624

Previews

White Background



This preview shows how the XYZ color 30.3329, 32.8057, 96.0002 looks on a white background.

Color Contrast Check

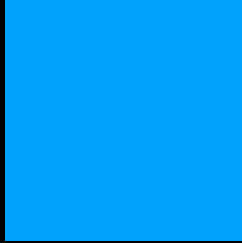
Large Text (above 18pt) WCAG AA × Fail

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 30.3329, 32.8057, 96.0002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

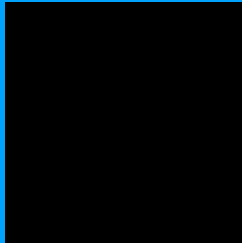
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

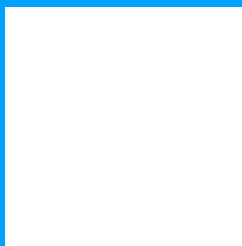
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3329, 32.8057, 96.0002

Background



This preview shows how black text looks on a background with the XYZ color 30.3329, 32.8057, 96.0002.



This preview shows how white text looks on a background with the XYZ color 30.3329, 32.8057,

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

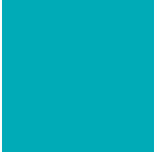
30.3329, 32.8057, 96.0002

Protanopia

34.8290, 32.5490, 87.6660

Deuteranopia

33.8646, 32.8098, 97.4766



Tritanopia

23.2146, 32.5865, 50.4137

Trichromacy



Original Color

30.3329, 32.8057, 96.0002

Protanomaly

31.2633, 31.6130, 90.8404

Deuteranomaly

31.6012, 32.4118, 96.6860

Tritanomaly

25.3878, 32.5593, 64.6210

Monochromacy



Original Color

30.3329, 32.8057, 96.0002

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.5686, 22.7415, 41.3884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3329, 32.8057, 96.0002 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, 162, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 251)  
}
```

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, 162, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 251) }
```

Border

The CSS property to change the border of an element to XYZ 30.3329, 32.8057, 96.0002 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, 162, 251) }
```


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

```
.border{ border-color:rgb(0, 162, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3329, 32.8057, 96.0002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 251) }
```

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

```
.background{ background-color: rgb(0, 162,  
251) }
```

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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