

Converting Colors

XYZ(30.2549, 32.9264, 95.1211)

Have a look what the booklet for
XYZ(30.2549, 32.9264, 95.1211)
contains.

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Color

**XYZ(30.3525, 33.0965,
95.2310)**

Conversions

Conversions Part 1

Format	Color
Hex	00A3FA
RGB	0, 163, 250
RGB Percent	0%, 64%, 98%
CMY	0.9997, 0.3608, 0.0196
CMYK	1.00, 0.35, 0.00, 0.02
HSL	201°, 100%, 49%
HSV	201°, 100%, 98%
XYZ	30.3525, 33.0965, 95.2310
YIQ	124.1810, -125.0750, -7.4990

Conversions

Conversions Part 2

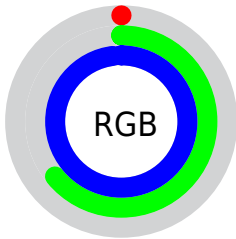
Format	Color
RYB	0, 99, 250
Decimal	41978
CIELab	64.24, -4.10, -52.92
CIELCh	64, 53.081, 265.573
Yxy	33.0965, 0.1913, 0.2086
Android (android.graphics.Color)	4278232058 (0xFF00A3FA)
YUV	124.1810, 62.0288, -108.9067
Hunter-Lab	57.5296, -6.5004, -57.8744

Details

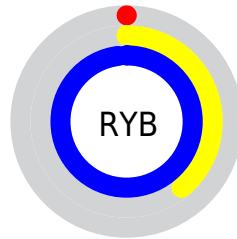
The XYZ color **30.3525, 33.0965, 95.2310** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **42.8391, 27.1523, 2.9851**, and the grayscale version is **19.0557, 20.0481, 21.8323**.

A 20% lighter version of the original color is **49.6769, 60.7423, 103.7139**, and **15.4198, 15.4386, 52.6193** is the 20% darker color. If you saturate the color by 10%, you get **30.3484, 33.0881, 95.2303**, and if you desaturate by 10%, it is **32.3544, 36.5022, 95.7836**.

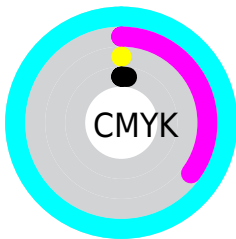
Distribution



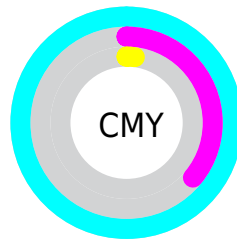
- Red (0%)
- Green (64%)
- Blue (98%)



- Red (0%)
- Yellow (39%)
- 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 30.3525, 33.0965, 95.2310 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 30.3525, 33.0965, 95.2310 by changing the saturation by 10% instead.

■ 30.3525, 33.0965,
95.2310

■ 30.3525, 33.0965,
95.2310

295.4245,
316.0843, 565.9075

■ 20.2557, 22.2004,
71.7293

■ 59.6020, 64.5262,
156.5820

■ 12.6904, 14.0042,
52.4521

■ 79.4854, 85.8285,
195.2684

■ 7.2912, 8.1236,
36.9808

■ 103.3617,
111.3683, 239.8535

■ 3.6928, 4.1741,
24.8970

■ 131.5963,
141.5301, 290.7557

■ 1.5299, 1.7714,
15.7820

■ 164.5546,
176.6982, 348.3937

■ 0.3460, 0.4693,
9.2173

202.6018,

■ 0.0000, 0.0000,

217.2570, 413.1860

4.7845

246.1033,
263.5909, 485.5510

■ 0.0000, 0.0000,
2.0648

■ 0.0000, 0.0000,
0.5947

■ 30.3525, 33.0965,
95.2310

■ 30.3525, 33.0965,
95.2310

■ 30.3484, 33.0881,
95.2303

■ 32.3544, 36.5022,
95.7836

■ 34.9778, 40.3890,
96.3955

■ 38.3838, 44.8430,
97.0757

■ 42.6700, 49.9176,
97.8293

■ 47.9187, 55.6580,
98.6607

■ 54.2021, 62.1042,
99.5738

■ 61.5848, 69.2922,
100.5721

■ 70.1262, 77.2551,
101.6589

■ 79.8808, 86.0238,
102.8373

Harmonies

Analogous

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



23.9588, 33.0965, 82.2223



30.3525, 33.0965, 95.2310



38.1327, 33.0965, 87.8969

Triad

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



30.3525, 33.0965, 95.2310



46.4142, 33.0965, 20.9328



20.9589, 33.0965, 17.3046

Complementary

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



30.3525, 33.0965, 95.2310



42.8391, 27.1523, 2.9851

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.



25.6102, 33.0965, 10.0757



30.3525, 33.0965, 95.2310



40.3767, 33.0965, 11.5077

Square

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



30.3525, 33.0965, 95.2310



48.2201, 33.0965, 39.3339



32.5884, 33.0965, 8.4832



19.1137, 33.0965, 32.9287

Rectangle

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



30.3525, 33.0965, 95.2310



42.9758, 33.0965, 73.5692



32.5884, 33.0965, 8.4832



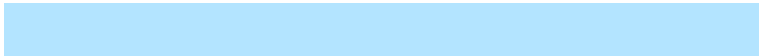
22.2060, 33.0965, 14.1007

Sweetspot

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



30.3538, 33.0975, 95.2319



64.3705, 72.4351, 105.1964



35.7629, 69.0027, 19.6951



13.0500, 14.8045, 22.4197



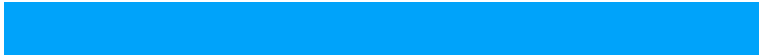
0.0000, 0.0000, 0.0000



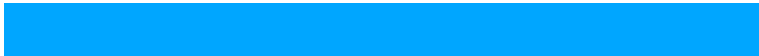
20.3446, 21.4041, 23.3091

Same Dimension

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



30.3538, 33.0975, 95.2319



31.7290, 34.5780, 99.6097



18.0747, 8.5393, 91.1388



17.2275, 18.5319, 22.0543



16.2375, 17.8305, 50.5594



1.6030, 1.8497, 4.7157

Inverse Universe

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



46.0364, 22.9701, 36.6583



48.1445, 24.0218, 38.2888



62.0654, 65.6050, 9.3939



17.7214, 17.4159, 20.3886



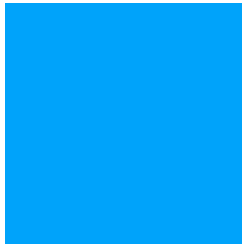
24.4879, 12.2109, 19.8098



2.3180, 1.1510, 2.0982

Previews

White Background



This preview shows how the XYZ color 30.3525, 33.0965, 95.2310 looks on a white background.

Color Contrast Check

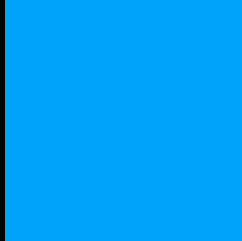
Large Text (above 18pt) WCAG AA × Fail

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 30.3525, 33.0965, 95.2310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

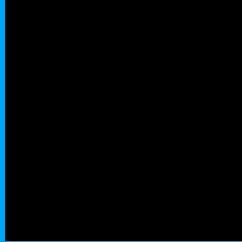
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

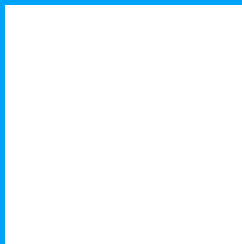
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3525, 33.0965, 95.2310

Background



This preview shows how black text looks on a background with the XYZ color 30.3525, 33.0965, 95.2310.

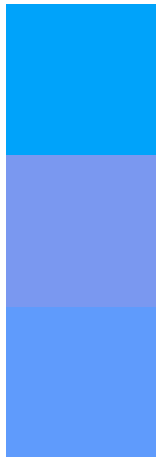


This preview shows how white text looks on a background with the XYZ color 30.3525, 33.0965,

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

30.3525, 33.0965, 95.2310

Protanopia

34.9825, 32.8853, 86.9418

Deuteranopia

34.0113, 32.9039, 96.6540



Tritanopia

23.4043, 32.9657, 50.4769

Trichromacy



Original Color

30.3525, 33.0965, 95.2310

Protanomaly

31.3595, 31.9283, 90.0979

Deuteranomaly

31.5029, 32.3794, 95.8563

Tritanomaly

25.5731, 32.9300, 64.6828

Monochromacy



Original Color

30.3525, 33.0965, 95.2310

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 30.3525, 33.0965, 95.2310 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 250) }
```

Border

The CSS property to change the border of an element to XYZ 30.3525, 33.0965, 95.2310 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, 250) }
```


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

```
.border{ border-color:rgb(0, 163, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3525, 33.0965, 95.2310 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, 250) }
```

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

```
.background{ background-color: rgb(0, 163,  
250) }
```

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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