

Converting Colors

XYZ(27.1086, 31.7000, 95.0250)

Have a look what the booklet for
XYZ(27.1086, 31.7000, 95.0250)
contains.

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Color

**XYZ(30.5308, 33.4530,
95.2904)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4FA
RGB	0, 164, 250
RGB Percent	0%, 64%, 98%
CMY	0.9997, 0.3569, 0.0196
CMYK	1.00, 0.34, 0.00, 0.02
HSL	201°, 100%, 49%
HSV	201°, 100%, 98%
XYZ	30.5308, 33.4530, 95.2904
YIQ	124.7680, -125.3500, -8.0220

Conversions

Conversions Part 2

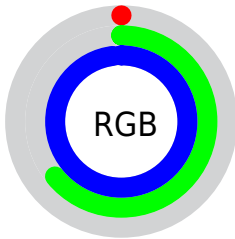
Format	Color
RYB	0, 99, 250
Decimal	42234
CIELab	64.53, -4.67, -52.47
CIELCh	65, 52.674, 264.917
Yxy	33.4530, 0.1917, 0.2100
Android (android.graphics.Color)	4278232314 (0xFF00A4FA)
YUV	124.7680, 61.7394, -109.4215
Hunter-Lab	57.8386, -6.9941, -57.1947

Details

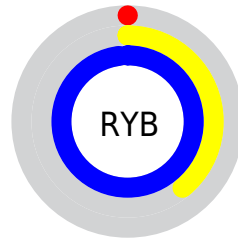
The XYZ color **30.5308, 33.4530, 95.2904** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **42.7591, 26.9923, 2.9586**, and the grayscale version is **19.2527, 20.2554, 22.0581**.

A 20% lighter version of the original color is **49.9371, 61.2625, 103.8006**, and **15.5308, 15.6605, 52.6563** is the 20% darker color. If you saturate the color by 10%, you get **30.5263, 33.4440, 95.2896**, and if you desaturate by 10%, it is **32.5260, 36.8453, 95.8408**.

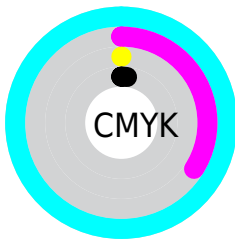
Distribution



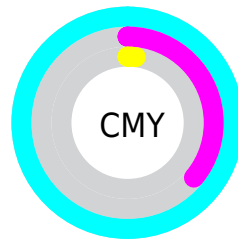
- Red (0%)
- Green (64%)
- Blue (98%)



- Red (0%)
- Yellow (39%)
- Blue (98%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (2%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5308, 33.4530, 95.2904 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 30.5308, 33.4530, 95.2904 by changing the saturation by 10% instead.

■ 30.5308, 33.4530,
95.2904

■ 30.5308, 33.4530,
95.2904

296.2365,
317.6861, 566.1023

■ 20.3919, 22.4737,
71.7785

■ 59.8815, 65.0821,
156.6648

■ 12.7902, 14.2054,
52.4920

■ 79.8240, 86.5007,
195.3643

■ 7.3602, 8.2636,
37.0125

■ 103.7650,
112.1679, 239.9634

■ 3.7367, 4.2641,
24.9213

■ 132.0701,
142.4681, 290.8807

■ 1.5543, 1.8224,
15.7999

■ 165.1043,
177.7856, 348.5347

■ 0.3623, 0.5011,
9.2299

203.2333,

■ 0.0000, 0.0000,

218.5048, 413.3440

4.7926

246.8222,
265.0102, 485.7270

■ 0.0000, 0.0000,
2.0695

■ 0.0000, 0.0000,
0.5975

■ 30.5308, 33.4530,
95.2904

■ 30.5308, 33.4530,
95.2904

■ 30.5263, 33.4440,
95.2896

■ 32.5260, 36.8453,
95.8408

■ 35.1406, 40.7141,
96.4497

■ 38.5354, 45.1455,
97.1261

■ 42.8080, 50.1927,
97.8751

■ 48.0407, 55.9007,
98.7011

■ 54.3055, 62.3094,
99.6079

■ 61.6671, 69.4548,
100.5991

■ 70.1846, 77.3697,
101.6779

■ 79.9126, 86.0849,
102.8474

Harmonies

Analogous

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



24.1806, 33.4530, 81.9734



30.5308, 33.4530, 95.2904



38.2932, 33.4530, 88.4439

Triad

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



30.5308, 33.4530, 95.2904



46.8142, 33.4530, 21.6012



21.3603, 33.4530, 17.4148

Complementary

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



30.5308, 33.4530, 95.2904



42.7591, 26.9923, 2.9586

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.



26.0789, 33.4530, 10.2791



30.5308, 33.4530, 95.2904



40.8630, 33.4530, 11.9416

Square

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



30.5308, 33.4530, 95.2904



48.5044, 33.4530, 40.2223



33.0958, 33.4530, 8.7695



19.4469, 33.4530, 32.8739

Rectangle

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



30.5308, 33.4530, 95.2904



43.1516, 33.4530, 74.3752



33.0958, 33.4530, 8.7695



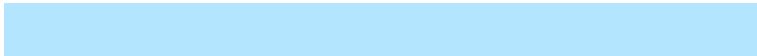
22.6310, 33.4530, 14.2481

Sweetspot

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



30.5321, 33.4541, 95.2913



64.4548, 72.6037, 105.2245



35.7631, 69.0028, 19.6958



13.0702, 14.8448, 22.4264



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.



30.5321, 33.4541, 95.2913



31.9152, 34.9503, 99.6717



18.0749, 8.5397, 91.1389



17.2336, 18.5440, 22.0563



16.3313, 18.0182, 50.5907



1.6113, 1.8662, 4.7185

Inverse Universe

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



46.1265, 23.0062, 37.1321



48.2385, 24.0594, 38.7836



62.0657, 65.6055, 9.3942



17.7244, 17.4171, 20.4046



24.5353, 12.2298, 20.0592



2.3222, 1.1526, 2.1201

Previews

White Background



This preview shows how the XYZ color 30.5308, 33.4530, 95.2904 looks on a white background.

Color Contrast Check

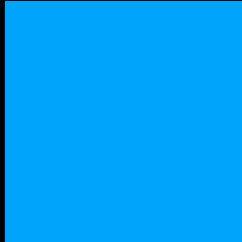
Large Text (above 18pt) WCAG AA × Fail

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 30.5308, 33.4530, 95.2904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

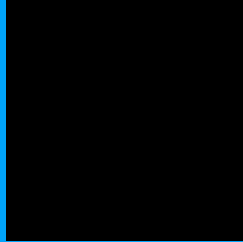
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

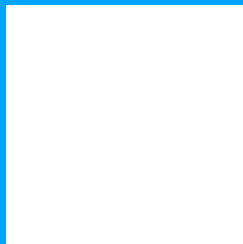
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.5308, 33.4530, 95.2904

Background



This preview shows how black text looks on a background with the XYZ color 30.5308, 33.4530, 95.2904.



This preview shows how white text looks on a background with the XYZ color 30.5308, 33.4530,

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

30.5308, 33.4530, 95.2904

Protanopia

35.4316, 33.3588, 87.0095

Deuteranopia

34.3889, 33.3466, 96.7195



Tritanopia

23.7005, 33.3899, 51.0947

Trichromacy



Original Color

30.5308, 33.4530, 95.2904

Protanomaly

31.6106, 32.3079, 90.1579

Deuteranomaly

31.7973, 32.7854, 95.9191

Tritanomaly

25.8833, 33.3529, 65.3952

Monochromacy



Original Color

30.5308, 33.4530, 95.2904

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.7966, 23.0730, 41.4404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5308, 33.4530, 95.2904 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, 164, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 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, 164, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 250) }
```

Border

The CSS property to change the border of an element to XYZ 30.5308, 33.4530, 95.2904 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, 164, 250) }
```


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

```
.border{ border-color:rgb(0, 164, 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, 164, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5308, 33.4530, 95.2904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 250) }
```

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

```
.background{ background-color: rgb(0, 164,  
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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