

Converting Colors

XYZ(30.7304, 33.8773, 95.2796)

Have a look what the booklet for
XYZ(30.7304, 33.8773, 95.2796)
contains.

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Color

**XYZ(30.7105, 33.8124,
95.3503)**

Conversions

Conversions Part 1

Format	Color
Hex	00A5FA
RGB	0, 165, 250
RGB Percent	0%, 65%, 98%
CMY	0.9997, 0.3529, 0.0196
CMYK	1.00, 0.34, 0.00, 0.02
HSL	200°, 100%, 49%
HSV	200°, 100%, 98%
XYZ	30.7105, 33.8124, 95.3503
YIQ	125.3550, -125.6250, -8.5450

Conversions

Conversions Part 2

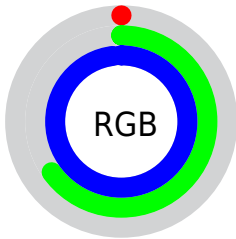
Format	Color
RYB	0, 99, 250
Decimal	42490
CIELab	64.81, -5.23, -52.01
CIELCh	65, 52.274, 264.253
Yxy	33.8124, 0.1921, 0.2115
Android (android.graphics.Color)	4278232570 (0xFF00A5FA)
YUV	125.3550, 61.4500, -109.9363
Hunter-Lab	58.1484, -7.4868, -56.5183

Details

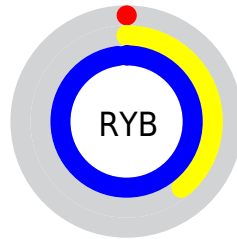
The XYZ color **30.7105, 33.8124, 95.3503** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **42.6797, 26.8335, 2.9322**, and the grayscale version is **19.4505, 20.4634, 22.2847**.

A 20% lighter version of the original color is **50.1987, 61.7859, 103.8879**, and **15.6430, 15.8849, 52.6937** is the 20% darker color. If you saturate the color by 10%, you get **30.7061, 33.8034, 95.3495**, and if you desaturate by 10%, it is **32.6987, 37.1907, 95.8983**.

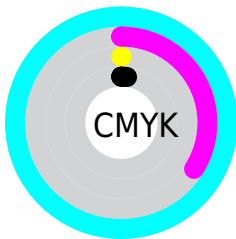
Distribution



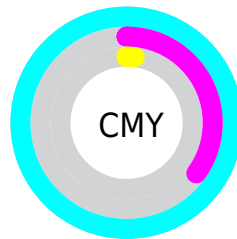
- Red (0%)
- Green (65%)
- Blue (98%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7105, 33.8124, 95.3503 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 30.7105, 33.8124, 95.3503 by changing the saturation by 10% instead.

■ 30.7105, 33.8124,
95.3503

■ 30.7105, 33.8124,
95.3503

297.0531,
319.2947, 566.2988

■ 20.5292, 22.7495,
71.8281

■ 60.1629, 65.6418,
156.7482

■ 12.8908, 14.4087,
52.5323

■ 80.1648, 87.1772,
195.4610

■ 7.4299, 8.4054,
37.0443

■ 104.1710,
112.9721, 240.0743

■ 3.7811, 4.3555,
24.9458

■ 132.5468,
143.4111, 291.0068

■ 1.5790, 1.8743,
15.8180

■ 165.6575,
178.8784, 348.6769

■ 0.3787, 0.5329,
9.2425

203.8686,

■ 0.0000, 0.0000,

219.7585, 413.5033

4.8007

247.5453,
266.4358, 485.9044

■ 0.0000, 0.0000,
2.0741

■ 0.0000, 0.0000,
0.6003

■ 30.7105, 33.8124,
95.3503

■ 30.7105, 33.8124,
95.3503

■ 30.7061, 33.8034,
95.3495

■ 32.6987, 37.1907,
95.8983

■ 35.3040, 41.0409,
96.5042

■ 38.6872, 45.4491,
97.1767

■ 42.9458, 50.4683,
97.9211

■ 48.1620, 56.1434,
98.7416

■ 54.4078, 62.5141,
99.6420

■ 61.7478, 69.6163,
100.6260

■ 70.2411, 77.4828,
101.6968

■ 79.9422, 86.1441,
102.8573

Harmonies

Analogous

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



24.4044, 33.8124, 81.7263



30.7105, 33.8124, 95.3503



38.4548, 33.8124, 88.9926

Triad

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



30.7105, 33.8124, 95.3503



47.2166, 33.8124, 22.2833



21.7670, 33.8124, 17.5263

Complementary

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



30.7105, 33.8124, 95.3503



42.6797, 26.8335, 2.9322

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.



26.5532, 33.8124, 10.4855



30.7105, 33.8124, 95.3503



41.3531, 33.8124, 12.3862

Square

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



30.7105, 33.8124, 95.3503



48.7902, 33.8124, 41.1231



33.6084, 33.8124, 9.0623



19.7843, 33.8124, 32.8205

Rectangle

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



30.7105, 33.8124, 95.3503



43.3286, 33.8124, 75.1862



33.6084, 33.8124, 9.0623



23.0615, 33.8124, 14.3972

Sweetspot

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



30.7118, 33.8135, 95.3512



64.5394, 72.7730, 105.2527



35.7631, 69.0028, 19.6958



13.0904, 14.8853, 22.4332



0.0000, 0.0000, 0.0000



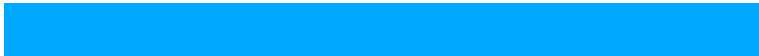
20.3446, 21.4041, 23.3091

Same Dimension

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



30.7118, 33.8135, 95.3512



32.1032, 35.3265, 99.7344



18.0749, 8.5397, 91.1389



17.2396, 18.5561, 22.0584



16.4261, 18.2078, 50.6223



1.6196, 1.8828, 4.7212

Inverse Universe

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



46.2172, 23.0425, 37.6097



48.3334, 24.0974, 39.2835



62.0657, 65.6055, 9.3942



17.7275, 17.4184, 20.4207



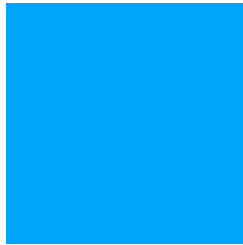
24.5832, 12.2490, 20.3111



2.3264, 1.1543, 2.1422

Previews

White Background



This preview shows how the XYZ color 30.7105, 33.8124, 95.3503 looks on a white background.

Color Contrast Check

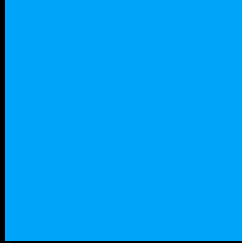
Large Text (above 18pt) WCAG AA × Fail

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 30.7105, 33.8124, 95.3503 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

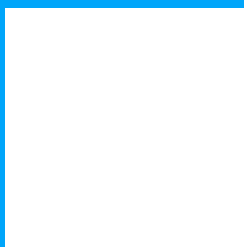
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7105, 33.8124, 95.3503

Background



This preview shows how black text looks on a background with the XYZ color 30.7105, 33.8124, 95.3503.

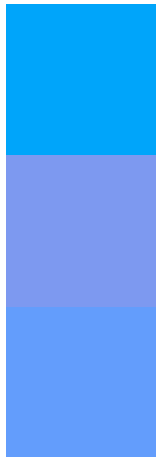


This preview shows how white text looks on a background with the XYZ color 30.7105, 33.8124,

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

30.7105, 33.8124, 95.3503

Protanopia

35.5769, 33.4337, 87.0163

Deuteranopia

34.7732, 33.7949, 96.7858



Tritanopia

23.9990, 33.8173, 51.7169

Trichromacy



Original Color

30.7105, 33.8124, 95.3503

Protanomaly

31.6944, 32.3511, 90.1619

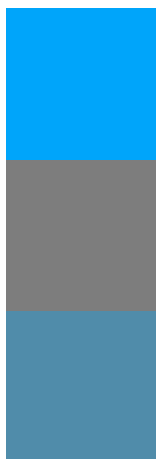
Deuteranomaly

32.0333, 33.1634, 95.9796

Tritanomaly

26.0715, 33.7293, 65.4579

Monochromacy



Original Color

30.7105, 33.8124, 95.3503

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.9420, 23.3639, 41.4888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7105, 33.8124, 95.3503 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, 165, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 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, 165, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 250) }
```

Border

The CSS property to change the border of an element to XYZ 30.7105, 33.8124, 95.3503 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, 165, 250) }
```


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

```
.border{ border-color:rgb(0, 165, 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, 165, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7105, 33.8124, 95.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 250) }
```

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

```
.background{ background-color: rgb(0, 165,  
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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