

Converting Colors

XYZ(23.4621, 31.3149, 96.2575)

Have a look what the booklet for
XYZ(23.4621, 31.3149, 96.2575)
contains.

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Color

**XYZ(31.7873, 35.7145,
96.4850)**

Conversions

Conversions Part 1

Format	Color
Hex	00AAFB
RGB	0, 170, 251
RGB Percent	0%, 67%, 98%
CMY	0.9997, 0.3333, 0.0157
CMYK	1.00, 0.32, 0.00, 0.02
HSL	199°, 100%, 49%
HSV	199°, 100%, 98%
XYZ	31.7873, 35.7145, 96.4850
YIQ	128.4040, -127.3210, -10.8490

Conversions

Conversions Part 2

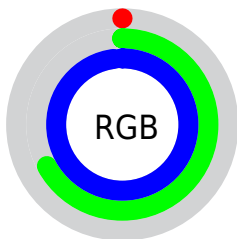
Format	Color
RYB	0, 101, 251
Decimal	43771
CIELab	66.30, -7.68, -50.20
CIELCh	66, 50.787, 261.298
Yxy	35.7145, 0.1938, 0.2178
Android (android.graphics.Color)	4278233851 (0xFF00AAFB)
YUV	128.4040, 60.4398, -112.6103
Hunter-Lab	59.7616, -9.6384, -53.8905

Details

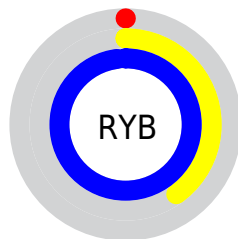
The XYZ color **31.7873, 35.7145, 96.4850** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **42.7321, 26.4050, 2.8465**, and the grayscale version is **20.4942, 21.5615, 23.4804**.

A 20% lighter version of the original color is **51.5308, 64.4499, 104.3319**, and **16.2160, 16.8519, 53.4370** is the 20% darker color. If you saturate the color by 10%, you get **31.7834, 35.7065, 96.4844**, and if you desaturate by 10%, it is **33.7590, 39.0561, 97.0269**.

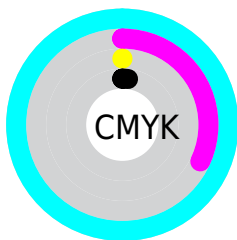
Distribution



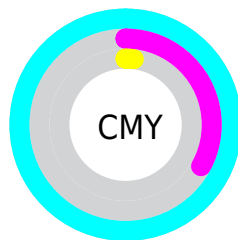
- Red (0%)
- Green (67%)
- Blue (98%)



- Red (0%)
- Yellow (40%)
- Blue (98%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (33%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7873, 35.7145, 96.4850 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 31.7873, 35.7145, 96.4850 by changing the saturation by 10% instead.

■ 31.7873, 35.7145,
96.4850

■ 31.7873, 35.7145,
96.4850

301.9117,
327.7110, 570.0135

■ 21.3538, 24.2138,
72.7679

■ 61.8449, 68.5912,
158.3278

■ 13.4968, 15.4923,
53.2955

■ 82.1998, 90.7359,
197.2905

■ 7.8509, 9.1656,
37.6494

■ 106.5926,
117.1975, 242.1722

■ 4.0507, 4.8494,
25.4110

■ 135.3886,
148.3602, 293.3913

■ 1.7309, 2.1591,
16.1617

■ 168.9531,
184.6085, 351.3665

■ 0.4755, 0.6976,
9.4831

207.6516,

■ 0.0000, 0.0000,

226.3268, 416.5162

4.9565

251.8493,
273.8995, 489.2590

■ 0.0000, 0.0000,
2.1635

■ 0.0000, 0.0000,
0.6532

■ 31.7873, 35.7145,
96.4850

■ 31.7873, 35.7145,
96.4850

■ 31.7834, 35.7065,
96.4844

■ 33.7590, 39.0561,
97.0269

■ 36.3439, 42.8549,
97.6238

■ 39.7041, 47.1970,
98.2849

■ 43.9376, 52.1354,
99.0149

■ 49.1274, 57.7151,
99.8184

■ 55.3457, 63.9755,
100.6990

■ 62.6576, 70.9523,
101.6603

■ 71.1225, 78.6783,
102.7054

■ 80.7953, 87.1838,
103.8373

Harmonies

Analogous

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



25.6213, 35.7145, 81.4218



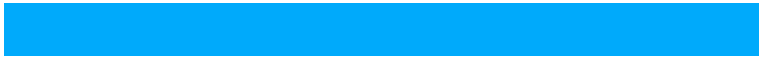
31.7873, 35.7145, 96.4850



39.5213, 35.7145, 92.2042

Triad

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



31.7873, 35.7145, 96.4850



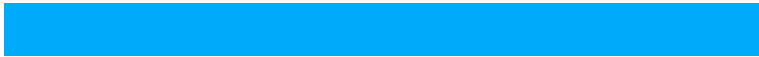
49.4216, 35.7145, 25.6070



23.7915, 35.7145, 18.1863

Complementary

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



31.7873, 35.7145, 96.4850



42.7321, 26.4050, 2.8465

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.



28.9206, 35.7145, 11.5152



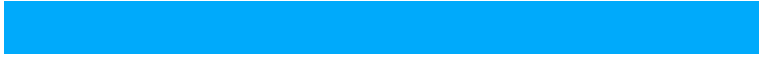
31.7873, 35.7145, 96.4850



43.9019, 35.7145, 14.5558

Square

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



31.7873, 35.7145, 96.4850



50.4928, 35.7145, 45.5522



36.1994, 35.7145, 10.4936



21.4773, 35.7145, 32.9060

Rectangle

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



31.7873, 35.7145, 96.4850



44.5055, 35.7145, 79.4472



36.1994, 35.7145, 10.4936



25.2040, 35.7145, 15.1967

Sweetspot

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



31.7887, 35.7156, 96.4859



64.9071, 73.5083, 105.3753



35.9291, 69.5677, 19.0334



13.1783, 15.0611, 22.4625



0.0000, 0.0000, 0.0000



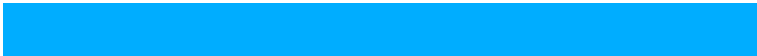
20.3446, 21.4041, 23.3091

Same Dimension

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



31.7887, 35.7156, 96.4859



32.9336, 36.9871, 100.0112



18.3936, 8.9254, 92.0209



17.2659, 18.6086, 22.0671



16.8443, 19.0443, 50.7617



1.6561, 1.9559, 4.7334

Inverse Universe

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



47.0406, 23.4133, 40.0710



48.7525, 24.2650, 41.4905



61.6150, 64.1709, 9.1408



17.7407, 17.4237, 20.4904



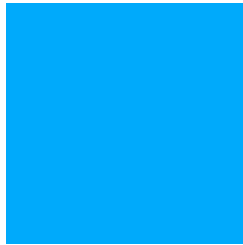
24.7943, 12.3334, 21.4228



2.3449, 1.1617, 2.2394

Previews

White Background



This preview shows how the XYZ color 31.7873, 35.7145, 96.4850 looks on a white background.

Color Contrast Check

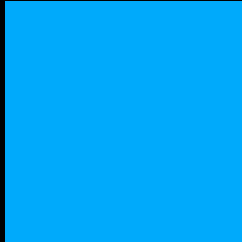
Large Text (above 18pt) WCAG AA × Fail

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 31.7873, 35.7145, 96.4850 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

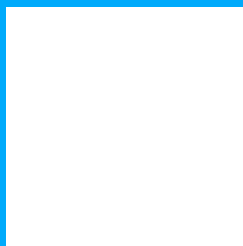
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7873, 35.7145, 96.4850

Background



This preview shows how black text looks on a background with the XYZ color 31.7873, 35.7145, 96.4850.



This preview shows how white text looks on a background with the XYZ color 31.7873, 35.7145,

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

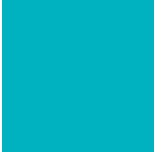
31.7873, 35.7145, 96.4850

Protanopia

37.3009, 35.3107, 87.2878

Deuteranopia

36.4848, 35.4216, 97.8426



Tritanopia

25.3244, 35.6024, 54.8274

Trichromacy



Original Color

31.7873, 35.7145, 96.4850

Protanomaly

32.9056, 34.2571, 90.4659

Deuteranomaly

33.3004, 34.8444, 97.0660

Tritanomaly

27.3402, 35.4640, 68.3551

Monochromacy



Original Color

31.7873, 35.7145, 96.4850

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.7586, 24.4114, 43.1529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7873, 35.7145, 96.4850 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, 170, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 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, 170, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 251) }
```

Border

The CSS property to change the border of an element to XYZ 31.7873, 35.7145, 96.4850 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, 170, 251) }
```


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

```
.border{ border-color:rgb(0, 170, 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, 170, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7873, 35.7145, 96.4850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 251) }
```

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

```
.background{ background-color: rgb(0, 170,  
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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