

Converting Colors

XYZ(13.9868, 24.9698, 96.9921)

Have a look what the booklet for
XYZ(13.9868, 24.9698, 96.9921)
contains.

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Color

**XYZ(31.0051, 33.6428,
97.7881)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4FD
RGB	0, 164, 253
RGB Percent	0%, 64%, 99%
CMY	0.9997, 0.3569, 0.0078
CMYK	1.00, 0.35, 0.00, 0.01
HSL	201°, 100%, 50%
HSV	201°, 100%, 99%
XYZ	31.0051, 33.6428, 97.7881
YIQ	125.1100, -126.3130, -7.0890

Conversions

Conversions Part 2

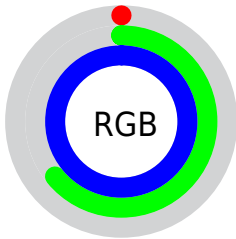
Format	Color
R _{YB}	0, 100, 253
Decimal	42237
CIE _{Lab}	64.68, -3.56, -53.86
CIE _{LCh}	65, 53.979, 266.221
Y _{xy}	33.6428, 0.1909, 0.2071
Android (android.graphics.Color)	4278232317 (0xFF00A4FD)
YUV	125.1100, 63.0498, -109.7215
Hunter-Lab	58.0024, -6.0873, -59.3572

Details

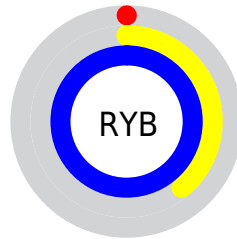
The XYZ color **31.0051, 33.6428, 97.7881** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **44.0873, 28.0401, 3.0908**, and the grayscale version is **19.3629, 20.3713, 22.1843**.

A 20% lighter version of the original color is **50.0636, 61.3278, 103.8066**, and **15.8689, 15.7958, 54.4371** is the 20% darker color. If you saturate the color by 10%, you get **31.0008, 33.6340, 97.7874**, and if you desaturate by 10%, it is **33.0652, 37.1537, 98.3580**.

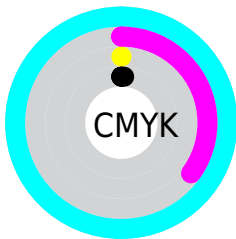
Distribution



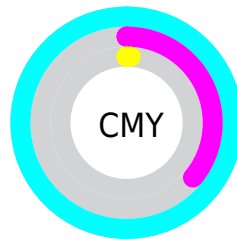
- Red (0%)
- Green (64%)
- Blue (99%)



- Red (0%)
- Yellow (39%)
- Blue (99%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (36%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0051, 33.6428, 97.7881 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 31.0051, 33.6428, 97.7881 by changing the saturation by 10% instead.

■ 31.0051, 33.6428,
97.7881

■ 31.0051, 33.6428,
97.7881

298.3883,
318.5364, 574.2636

■ 20.7546, 22.6193,
73.8480

■ 60.6239, 65.3778,
160.1395

■ 13.0562, 14.3127,
54.1736

■ 80.7229, 86.8581,
199.3878

■ 7.5445, 8.3385,
38.3464

■ 104.8354,
112.5929, 244.5760

■ 3.8542, 4.3123,
25.9477

■ 133.3268,
142.9664, 296.1226

■ 1.6200, 1.8497,
16.5591

■ 166.5624,
178.3631, 354.4461

■ 0.4054, 0.5179,
9.7620

204.9076,

■ 0.0000, 0.0000,

219.1674, 419.9651

5.1379

248.7278,
265.7637, 493.0980

■ 0.0000, 0.0000,
2.2683

■ 0.0000, 0.0000,
0.7134

■ 31.0051, 33.6428,
97.7881

■ 31.0051, 33.6428,
97.7881

■ 31.0008, 33.6340,
97.7874

■ 33.0652, 37.1537,
98.3580

■ 35.7671, 41.1641,
98.9896

■ 39.2757, 45.7623,
99.6922

■ 43.6919, 51.0035,
100.4711

■ 49.1005, 56.9344,
101.3308

■ 55.5758, 63.5962,
102.2754

■ 63.1845, 71.0263,
103.3085

■ 71.9877, 79.2588,
104.4336

■ 82.0417, 88.3256,
105.6538

Harmonies

Analogous

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



24.3914, 33.6428, 84.7405



31.0051, 33.6428, 97.7881



39.0172, 33.6428, 89.7523

Triad

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



31.0051, 33.6428, 97.7881



47.2813, 33.6428, 20.8350



21.1278, 33.6428, 17.6686

Complementary

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



31.0051, 33.6428, 97.7881



44.0873, 28.0401, 3.0908

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.



25.8382, 33.6428, 10.1470



31.0051, 33.6428, 97.7881



40.9905, 33.6428, 11.3888

Square

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



31.0051, 33.6428, 97.7881



49.2549, 33.6428, 39.5144



32.9679, 33.6428, 8.4289



19.3008, 33.6428, 33.8920

Rectangle

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



31.0051, 33.6428, 97.7881



43.9777, 33.6428, 74.7677



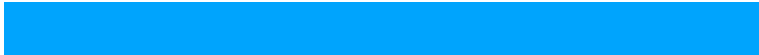
32.9679, 33.6428, 8.4289



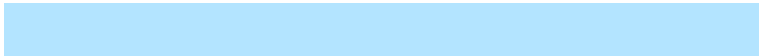
22.3852, 33.6428, 14.3388

Sweetspot

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



31.0064, 33.6439, 97.7890



64.2908, 72.2758, 105.1699



36.9129, 70.9662, 21.1155



13.0310, 14.7665, 22.4134



0.0000, 0.0000, 0.0000



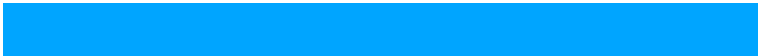
20.3446, 21.4041, 23.3091

Same Dimension

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



31.0064, 33.6439, 97.7890



31.5540, 34.2281, 99.5513



18.4243, 8.4795, 93.5949



17.9855, 19.3426, 23.0355



16.6333, 18.1762, 52.0663



1.7223, 1.9753, 5.1038

Inverse Universe

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



47.2101, 23.5648, 37.1829



48.0562, 23.9865, 37.8237



64.8250, 69.5154, 10.0033



18.5053, 18.1854, 21.2781



25.1839, 12.5629, 20.1508



2.5039, 1.2439, 2.2351

Previews

White Background



This preview shows how the XYZ color 31.0051, 33.6428, 97.7881 looks on a white background.

Color Contrast Check

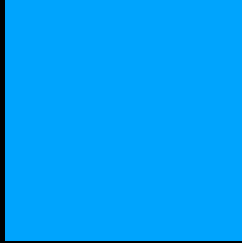
Large Text (above 18pt) WCAG AA × Fail

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 31.0051, 33.6428, 97.7881 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

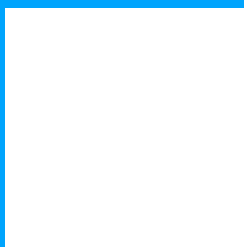
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0051, 33.6428, 97.7881

Background



This preview shows how black text looks on a background with the XYZ color 31.0051, 33.6428, 97.7881.

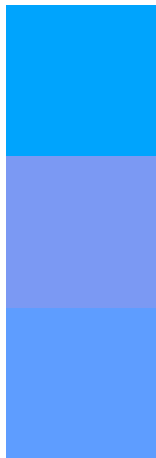


This preview shows how white text looks on a background with the XYZ color 31.0051, 33.6428,

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

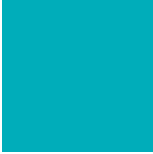
31.0051, 33.6428, 97.7881

Protanopia

35.7373, 33.4645, 89.3698

Deuteranopia

34.7231, 33.7136, 99.2850



Tritanopia

23.8065, 33.4323, 51.6527

Trichromacy



Original Color

31.0051, 33.6428, 97.7881

Protanomaly

31.9874, 32.4490, 92.5731

Deuteranomaly

32.3237, 33.2580, 98.4817

Tritanomaly

26.0076, 33.4026, 66.0494

Monochromacy



Original Color

31.0051, 33.6428, 97.7881

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.9873, 23.1493, 42.4445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0051, 33.6428, 97.7881 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 253) }
```

Border

The CSS property to change the border of an element to XYZ 31.0051, 33.6428, 97.7881 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, 253) }
```


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

```
.border{ border-color:rgb(0, 164, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0051, 33.6428, 97.7881 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, 253) }
```

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

```
.background{ background-color: rgb(0, 164,  
253) }
```

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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