

Converting Colors

XYZ(10.2213, 23.4551, 94.8722)

Have a look what the booklet for
XYZ(10.2213, 23.4551, 94.8722)
contains.

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Color

**XYZ(31.0488, 34.2375,
96.2388)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6FB
RGB	0, 166, 251
RGB Percent	0%, 65%, 98%
CMY	0.9997, 0.3490, 0.0157
CMYK	1.00, 0.34, 0.00, 0.02
HSL	200°, 100%, 49%
HSV	200°, 100%, 98%
XYZ	31.0488, 34.2375, 96.2388
YIQ	126.0560, -126.2210, -8.7570

Conversions

Conversions Part 2

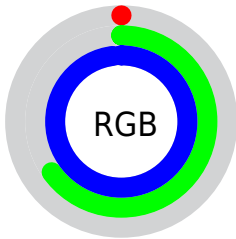
Format	Color
RYB	0, 100, 251
Decimal	42747
CIELab	65.15, -5.43, -52.02
CIELCh	65, 52.306, 264.038
Yxy	34.2375, 0.1922, 0.2120
Android (android.graphics.Color)	4278232827 (0xFF00A6FB)
YUV	126.0560, 61.5974, -110.5511
Hunter-Lab	58.5128, -7.6795, -56.5581

Details

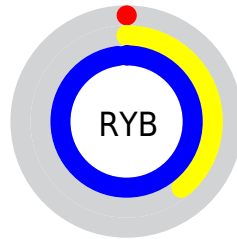
The XYZ color **31.0488, 34.2375, 96.2388** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **43.0385, 27.0178, 2.9486**, and the grayscale version is **19.6860, 20.7112, 22.5545**.

A 20% lighter version of the original color is **50.4620, 62.3124, 103.9756**, and **15.8683, 16.1565, 53.3211** is the 20% darker color. If you saturate the color by 10%, you get **31.0448, 34.2292, 96.2382**, and if you desaturate by 10%, it is **33.0515, 37.6412, 96.7910**.

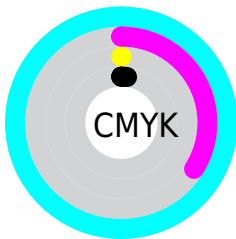
Distribution



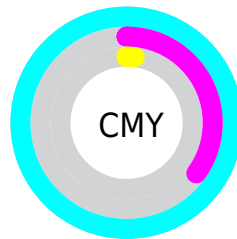
- Red (0%)
- Green (65%)
- Blue (98%)



- 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 31.0488, 34.2375, 96.2388 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 31.0488, 34.2375, 96.2388 by changing the saturation by 10% instead.

31.0488, 34.2375,
96.2388

31.0488, 34.2375,
96.2388

298.5859,
321.1898, 569.2086

20.7880, 23.0761,
72.5639

60.6922, 66.3028,
157.9852

13.0807, 14.6497,
53.1298

80.8056, 87.9756,
196.8938

7.5615, 8.5739,
37.5180

104.9338,
113.9209, 241.7174

3.8651, 4.4643,
25.3098

133.4423,
144.5231, 292.8744

1.6261, 1.9365,
16.0869

166.6964,
180.1668, 350.7836

0.4093, 0.5702,
9.4307

205.0615,

0.0000, 0.0000,

221.2362, 415.8633

4.9225

248.9029,
268.1157, 488.5321

■ 0.0000, 0.0000,
2.1439

■ 0.0000, 0.0000,
0.6417

■ 31.0488, 34.2375,
96.2388

■ 31.0488, 34.2375,
96.2388

■ 31.0448, 34.2292,
96.2382

■ 33.0515, 37.6412,
96.7910

■ 35.6764, 41.5197,
97.4013

■ 39.0855, 45.9599,
98.0786

■ 43.3775, 51.0151,
98.8282

■ 48.6353, 56.7308,
99.6543

■ 54.9315, 63.1470,
100.5609

■ 62.3314, 70.2998,
101.5515

■ 70.8946, 78.2223,
102.6294

■ 80.6763, 86.9455,
103.7976

Harmonies

Analogous

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



24.6996, 34.2375, 82.3915



31.0488, 34.2375, 96.2388



38.8578, 34.2375, 89.9818

Triad

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



31.0488, 34.2375, 96.2388



47.7778, 34.2375, 22.7101



22.0981, 34.2375, 17.7223

Complementary

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



31.0488, 34.2375, 96.2388



43.0385, 27.0178, 2.9486

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.



26.9500, 34.2375, 10.6486



31.0488, 34.2375, 96.2388



41.8895, 34.2375, 12.6454

Square

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



31.0488, 34.2375, 96.2388



49.3277, 34.2375, 41.7923



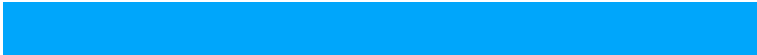
34.0817, 34.2375, 9.2411



20.0746, 34.2375, 33.1026

Rectangle

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



31.0488, 34.2375, 96.2388



43.7810, 34.2375, 76.1352



34.0817, 34.2375, 9.2411



23.4121, 34.2375, 14.5770

Sweetspot

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



31.0501, 34.2386, 96.2397



64.5683, 72.8307, 105.2624



36.0874, 69.6310, 19.8672



13.0973, 14.8991, 22.4355



0.0000, 0.0000, 0.0000



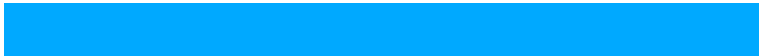
20.3446, 21.4041, 23.3091

Same Dimension

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



31.0501, 34.2386, 96.2397



32.1677, 35.4554, 99.7559



18.2378, 8.6139, 91.9689



17.2417, 18.5602, 22.0590



16.4586, 18.2727, 50.6331



1.6224, 1.8885, 4.7222

Inverse Universe

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



46.6678, 23.2642, 38.1079



48.3660, 24.1104, 39.4548



62.6289, 66.1986, 9.4788



17.7285, 17.4188, 20.4262



24.5995, 12.2555, 20.3975



2.3278, 1.1549, 2.1498

Previews

White Background



This preview shows how the XYZ color 31.0488, 34.2375, 96.2388 looks on a white background.

Color Contrast Check

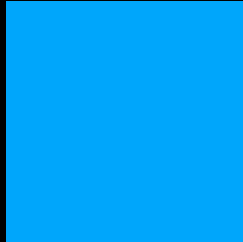
Large Text (above 18pt) WCAG AA × Fail

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 31.0488, 34.2375, 96.2388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

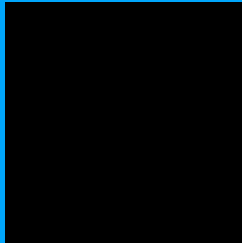
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

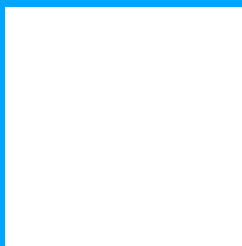
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0488, 34.2375, 96.2388

Background



This preview shows how black text looks on a background with the XYZ color 31.0488, 34.2375, 96.2388.



This preview shows how white text looks on a background with the XYZ color 31.0488, 34.2375,

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

31.0488, 34.2375, 96.2388

Protanopia

36.0370, 33.8977, 87.8626

Deuteranopia

35.2120, 34.2549, 97.6845



Tritanopia

24.2996, 34.2478, 52.3435

Trichromacy



Original Color

31.0488, 34.2375, 96.2388

Protanomaly

32.0166, 32.7518, 91.0205

Deuteranomaly

32.4299, 33.6080, 96.8732

Tritanomaly

26.3854, 34.1582, 66.1753

Monochromacy



Original Color

31.0488, 34.2375, 96.2388

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.1838, 23.6955, 42.0380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0488, 34.2375, 96.2388 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, 166, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 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, 166, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 251) }
```

Border

The CSS property to change the border of an element to XYZ 31.0488, 34.2375, 96.2388 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, 166, 251) }
```


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

```
.border{ border-color:rgb(0, 166, 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, 166, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0488, 34.2375, 96.2388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 251) }
```

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

```
.background{ background-color: rgb(0, 166,  
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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