

Converting Colors

XYZ(22.7908, 30.4025, 97.2362)

Have a look what the booklet for
XYZ(22.7908, 30.4025, 97.2362)
contains.

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Color

**XYZ(31.7323, 35.0971,
98.0305)**

Conversions

Conversions Part 1

Format	Color
Hex	00A8FD
RGB	0, 168, 253
RGB Percent	0%, 66%, 99%
CMY	0.9997, 0.3412, 0.0078
CMYK	1.00, 0.34, 0.00, 0.01
HSL	200°, 100%, 50%
HSV	200°, 100%, 99%
XYZ	31.7323, 35.0971, 98.0305
YIQ	127.4580, -127.4130, -9.1810

Conversions

Conversions Part 2

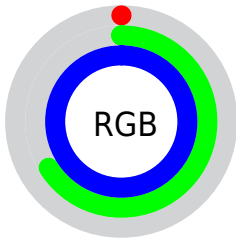
Format	Color
RYB	0, 101, 253
Decimal	43261
CIELab	65.82, -5.83, -52.05
CIELCh	66, 52.370, 263.611
Yxy	35.0971, 0.1925, 0.2129
Android (android.graphics.Color)	4278233341 (0xFF00A8FD)
YUV	127.4580, 61.8922, -111.7807
Hunter-Lab	59.2428, -8.0647, -56.6386

Details

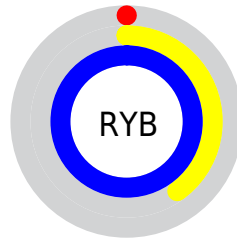
The XYZ color **31.7323, 35.0971, 98.0305** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **43.7636, 27.3925, 2.9830**, and the grayscale version is **20.1639, 21.2140, 23.1021**.

A 20% lighter version of the original color is **51.1198, 63.4401, 104.1586**, and **16.2092, 16.4763, 54.5505** is the 20% darker color. If you saturate the color by 10%, you get **31.7277, 35.0878, 98.0297**, and if you desaturate by 10%, it is **33.7645, 38.5522, 98.5911**.

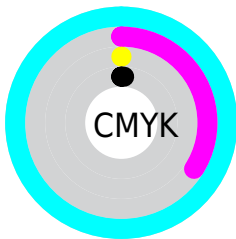
Distribution



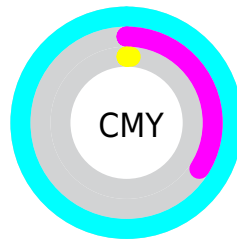
- Red (0%)
- Green (66%)
- Blue (99%)



- Red (0%)
- Yellow (40%)
- Blue (99%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (34%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7323, 35.0971, 98.0305 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 31.7323, 35.0971, 98.0305 by changing the saturation by 10% instead.

■ 31.7323, 35.0971,
98.0305

■ 31.7323, 35.0971,
98.0305

301.6650,
324.9967, 575.0523

■ 21.3117, 23.7377,
74.0491

■ 61.7592, 67.6362,
160.4762

■ 13.4658, 15.1391,
54.3372

■ 82.0962, 89.5846,
199.7775

■ 7.8293, 8.9171,
38.4763

■ 106.4694,
115.8315, 245.0226

■ 4.0368, 4.6871,
26.0478

■ 135.2440,
146.7612, 296.6298

■ 1.7230, 2.0649,
16.6334

■ 168.7856,
182.7583, 355.0179

■ 0.4706, 0.6448,
9.8142

207.4593,

■ 0.0000, 0.0000,

224.2069, 420.6053

5.1720

251.6307,
271.4916, 493.8106

■ 0.0000, 0.0000,
2.2880

■ 0.0000, 0.0000,
0.7245

■ 31.7323, 35.0971,
98.0305

■ 31.7323, 35.0971,
98.0305

■ 31.7277, 35.0878,
98.0297

■ 33.7645, 38.5522,
98.5911

■ 36.4293, 42.4882,
99.2103

■ 39.8914, 46.9931,
99.8974

■ 44.2514, 52.1215,
100.6575

■ 49.5936, 57.9195,
101.4950

■ 55.9923, 64.4278,
102.4140

■ 63.5139, 71.6832,
103.4180

■ 72.2191, 79.7195,
104.5104

■ 82.1641, 88.5679,
105.6941

Harmonies

Analogous

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



25.2966, 35.0971, 83.7325



31.7323, 35.0971, 98.0305



39.6716, 35.0971, 91.9785

Triad

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



31.7323, 35.0971, 98.0305



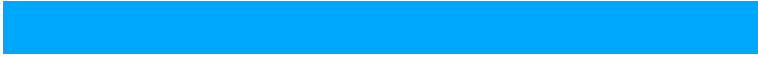
48.9115, 35.0971, 23.5779



22.7692, 35.0971, 18.1187

Complementary

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



31.7323, 35.0971, 98.0305



43.7636, 27.3925, 2.9830

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.



27.7538, 35.0971, 10.9794



31.7323, 35.0971, 98.0305



42.9742, 35.0971, 13.1732

Square

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



31.7323, 35.0971, 98.0305



50.4130, 35.0971, 43.1489



35.0398, 35.0971, 9.6049



20.6629, 35.0971, 33.6719

Rectangle

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



31.7323, 35.0971, 98.0305



44.6943, 35.0971, 78.0529



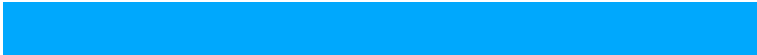
35.0398, 35.0971, 9.6049



24.1228, 35.0971, 14.9409

Sweetspot

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



31.7337, 35.0982, 98.0314



64.6248, 72.9438, 105.2812



36.7420, 70.8979, 20.2153



13.1108, 14.9261, 22.4400



0.0000, 0.0000, 0.0000



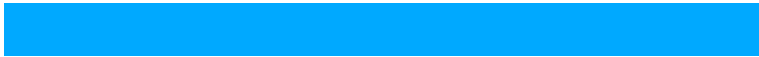
20.3446, 21.4041, 23.3091

Same Dimension

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



31.7337, 35.0982, 98.0314



32.2942, 35.7084, 99.7981



18.5670, 8.7650, 93.6425



18.0105, 19.3926, 23.0438



17.0178, 18.9452, 52.1944



1.7579, 2.0464, 5.1156

Inverse Universe

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



47.5773, 23.7118, 39.1157



48.4298, 24.1359, 39.7910



63.7652, 67.3958, 9.6502



18.5180, 18.1905, 21.3447



25.3780, 12.6405, 21.1729



2.5219, 1.2511, 2.3297

Previews

White Background



This preview shows how the XYZ color 31.7323, 35.0971, 98.0305 looks on a white background.

Color Contrast Check

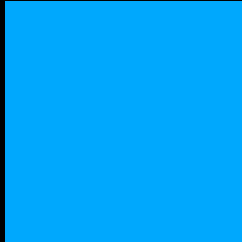
Large Text (above 18pt) WCAG AA × Fail

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 31.7323, 35.0971, 98.0305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

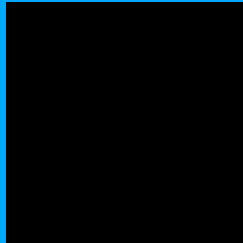
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

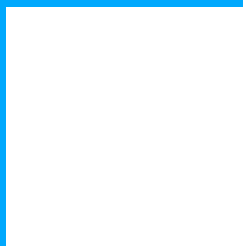
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7323, 35.0971, 98.0305

Background



This preview shows how black text looks on a background with the XYZ color 31.7323, 35.0971, 98.0305.



This preview shows how white text looks on a background with the XYZ color 31.7323, 35.0971,

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

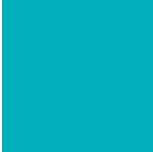
31.7323, 35.0971, 98.0305

Protanopia

36.8176, 34.7769, 88.7765

Deuteranopia

36.0417, 34.8998, 99.4445



Tritanopia

24.9074, 35.1184, 53.6099

Trichromacy



Original Color

31.7323, 35.0971, 98.0305

Protanomaly

32.5987, 33.5448, 91.9454

Deuteranomaly

33.0565, 34.1547, 98.6162

Tritanomaly

27.0197, 35.0256, 67.6239

Monochromacy



Original Color

31.7323, 35.0971, 98.0305

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.6092, 24.1125, 43.1031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7323, 35.0971, 98.0305 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, 168, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 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, 168, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 253) }
```

Border

The CSS property to change the border of an element to XYZ 31.7323, 35.0971, 98.0305 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, 168, 253) }
```


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

```
.border{ border-color:rgb(0, 168, 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, 168, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7323, 35.0971, 98.0305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 253) }
```

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

```
.background{ background-color: rgb(0, 168,  
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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