

Converting Colors

XYZ(10.0075, 23.6277, 96.0379)

Have a look what the booklet for
XYZ(10.0075, 23.6277, 96.0379)
contains.

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Color

**XYZ(31.3894, 34.6657,
97.1322)**

Conversions

Conversions Part 1

Format	Color
Hex	00A7FC
RGB	0, 167, 252
RGB Percent	0%, 65%, 99%
CMY	0.9997, 0.3451, 0.0118
CMYK	1.00, 0.34, 0.00, 0.01
HSL	200°, 100%, 49%
HSV	200°, 100%, 99%
XYZ	31.3894, 34.6657, 97.1322
YIQ	126.7570, -126.8170, -8.9690

Conversions

Conversions Part 2

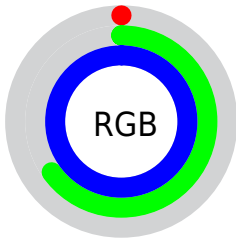
Format	Color
RYB	0, 100, 252
Decimal	43004
CIELab	65.49, -5.63, -52.03
CIELCh	65, 52.338, 263.824
Yxy	34.6657, 0.1924, 0.2124
Android (android.graphics.Color)	4278233084 (0xFF00A7FC)
YUV	126.7570, 61.7448, -111.1659
Hunter-Lab	58.8776, -7.8721, -56.5983

Details

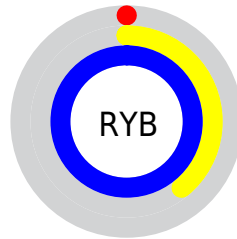
The XYZ color **31.3894, 34.6657, 97.1322** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **43.3999, 27.2044, 2.9657**, and the grayscale version is **19.9240, 20.9616, 22.8271**.

A 20% lighter version of the original color is **50.8534, 62.9073, 104.0698**, and **16.0957, 16.4309, 53.9529** is the 20% darker color. If you saturate the color by 10%, you get **31.3852, 34.6571, 97.1315**, and if you desaturate by 10%, it is **33.4068, 38.0950, 97.6886**.

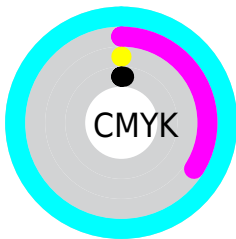
Distribution



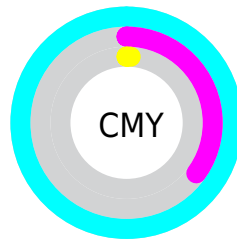
- Red (0%)
- Green (65%)
- Blue (99%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3894, 34.6657, 97.1322 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 31.3894, 34.6657, 97.1322 by changing the saturation by 10% instead.

■ 31.3894, 34.6657,
97.1322

■ 31.3894, 34.6657,
97.1322

300.1232,
323.0903, 572.1265

■ 21.0488, 23.4055,
73.3042

■ 61.2243, 66.9676,
159.2279

■ 13.2724, 14.8932,
53.7314

■ 81.4493, 88.7780,
198.3327

■ 7.6947, 8.7445,
37.9953

■ 105.6999,
114.8739, 243.3668

■ 3.9503, 4.5749,
25.6772

■ 134.3414,
145.6398, 294.7488

■ 1.6741, 2.0001,
16.3587

■ 167.7391,
181.4600, 352.8972

■ 0.4400, 0.6075,
9.6212

206.2584,

■ 0.0000, 0.0000,

222.7188, 418.2306

5.0463

250.2647,
269.8008, 491.1675

■ 0.0000, 0.0000,
2.2152

■ 0.0000, 0.0000,
0.6831

■ 31.3894, 34.6657,
97.1322

■ 31.3894, 34.6657,
97.1322

■ 31.3852, 34.6571,
97.1315

■ 33.4068, 38.0950,
97.6886

■ 36.0516, 42.0022,
98.3033

■ 39.4871, 46.4747,
98.9855

■ 43.8129, 51.5664,
99.7403

■ 49.1128, 57.3231,
100.5722

■ 55.4600, 63.7852,
101.4849

■ 62.9206, 70.9892,
102.4822

■ 71.5545, 78.9684,
103.5673

■ 81.4176, 87.7540,
104.7433

Harmonies

Analogous

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



24.9970, 34.6657, 83.0603



31.3894, 34.6657, 97.1322



39.2634, 34.6657, 90.9770

Triad

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



31.3894, 34.6657, 97.1322



48.3427, 34.6657, 23.1416



22.4321, 34.6657, 17.9198

Complementary

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



31.3894, 34.6657, 97.1322



43.3999, 27.2044, 2.9657

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.



27.3502, 34.6657, 10.8132



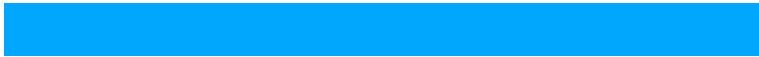
31.3894, 34.6657, 97.1322



42.4298, 34.6657, 12.9076

Square

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



31.3894, 34.6657, 97.1322



49.8686, 34.6657, 42.4675



34.5588, 34.6657, 9.4219



20.3675, 34.6657, 33.3864

Rectangle

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



31.3894, 34.6657, 97.1322



44.2362, 34.6657, 77.0906



34.5588, 34.6657, 9.4219



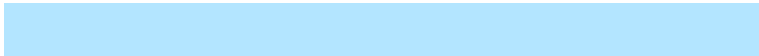
23.7659, 34.6657, 14.7582

Sweetspot

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



31.3908, 34.6668, 97.1331



64.5967, 72.8876, 105.2718



36.4138, 70.2627, 20.0406



13.1041, 14.9126, 22.4377



0.0000, 0.0000, 0.0000



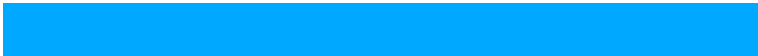
20.3446, 21.4041, 23.3091

Same Dimension

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



31.3908, 34.6668, 97.1331



32.2312, 35.5824, 99.7771



18.4019, 8.6892, 92.8035



17.2437, 18.5643, 22.0597



16.4906, 18.3367, 50.6437



1.6252, 1.8941, 4.7231

Inverse Universe

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



47.1212, 23.4873, 38.6099



48.3980, 24.1232, 39.6236



63.1955, 66.7955, 9.5642



17.7296, 17.4192, 20.4316



24.6157, 12.2620, 20.4825



2.3293, 1.1554, 2.1573

Previews

White Background



This preview shows how the XYZ color 31.3894, 34.6657, 97.1322 looks on a white background.

Color Contrast Check

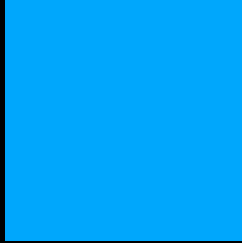
Large Text (above 18pt) WCAG AA × Fail

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 31.3894, 34.6657, 97.1322 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

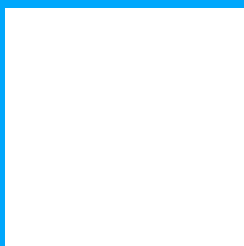
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3894, 34.6657, 97.1322

Background



This preview shows how black text looks on a background with the XYZ color 31.3894, 34.6657, 97.1322.

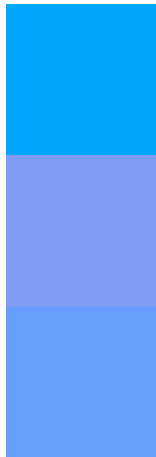


This preview shows how white text looks on a background with the XYZ color 31.3894, 34.6657,

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

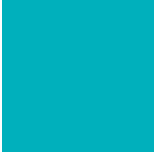
31.3894, 34.6657, 97.1322

Protanopia

36.5008, 34.3655, 88.7138

Deuteranopia

35.5957, 34.4343, 98.5363



Tritanopia

24.6024, 34.6815, 52.9745

Trichromacy



Original Color

31.3894, 34.6657, 97.1322

Protanomaly

32.4260, 33.1994, 91.8879

Deuteranomaly

32.6545, 33.7054, 97.7132

Tritanomaly

26.7014, 34.5903, 66.8973

Monochromacy



Original Color

31.3894, 34.6657, 97.1322

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.5127, 24.0739, 42.5953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3894, 34.6657, 97.1322 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, 167, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 252)  
}
```

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, 167, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 252) }
```

Border

The CSS property to change the border of an element to XYZ 31.3894, 34.6657, 97.1322 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, 167, 252) }
```


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

```
.border{ border-color:rgb(0, 167, 252) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 167, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3894, 34.6657, 97.1322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 252) }
```

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

```
.background{ background-color: rgb(0, 167,  
252) }
```

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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