

Converting Colors

XYZ(31.3657, 35.1480, 95.4914)

Have a look what the booklet for
XYZ(31.3657, 35.1480, 95.4914)
contains.

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Color

**XYZ(31.4433, 35.2781,
95.5946)**

Conversions

Conversions Part 1

Format	Color
Hex	00A9FA
RGB	0, 169, 250
RGB Percent	0%, 66%, 98%
CMY	0.9997, 0.3372, 0.0196
CMYK	1.00, 0.32, 0.00, 0.02
HSL	199°, 100%, 49%
HSV	199°, 100%, 98%
XYZ	31.4433, 35.2781, 95.5946
YIQ	127.7030, -126.7250, -10.6370

Conversions

Conversions Part 2

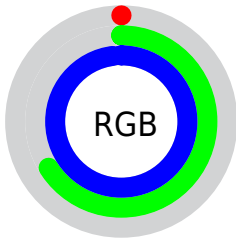
Format	Color
RYB	0, 101, 250
Decimal	43514
CIELab	65.96, -7.49, -50.19
CIELCh	66, 50.746, 261.513
Yxy	35.2781, 0.1937, 0.2173
Android (android.graphics.Color)	4278233594 (0xFF00A9FA)
YUV	127.7030, 60.2924, -111.9955
Hunter-Lab	59.3954, -9.4458, -53.8483

Details

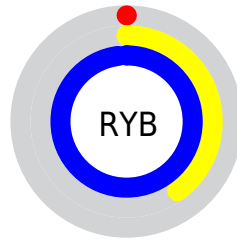
The XYZ color **31.4433, 35.2781, 95.5946** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **42.3728, 26.2198, 2.8297**, and the grayscale version is **20.2526, 21.3073, 23.2036**.

A 20% lighter version of the original color is **51.2612, 63.9108, 104.2420**, and **15.9869, 16.5728, 52.8084** is the 20% darker color. If you saturate the color by 10%, you get **31.4394, 35.2700, 95.5940**, and if you desaturate by 10%, it is **33.4008, 38.5952, 96.1325**.

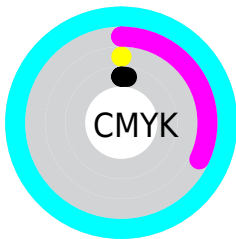
Distribution



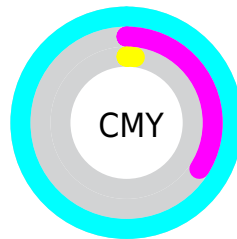
- Red (0%)
- Green (66%)
- Blue (98%)



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



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



- Cyan (100%)
- Magenta (34%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4433, 35.2781, 95.5946 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 31.4433, 35.2781, 95.5946 by changing the saturation by 10% instead.

■ 31.4433, 35.2781,
95.5946

■ 31.4433, 35.2781,
95.5946

300.3660,
325.7941, 567.0997

■ 21.0901, 23.8772,
72.0303

■ 61.3084, 67.9164,
157.0885

■ 13.3027, 15.2425,
52.6965

■ 81.5511, 89.9225,
195.8551

■ 7.7158, 8.9898,
37.1745

■ 105.8210,
116.2325, 240.5263

■ 3.9639, 4.7345,
25.0457

■ 134.4834,
147.2307, 291.5207

■ 1.6817, 2.0923,
15.8918

■ 167.9038,
183.3016, 349.2566

■ 0.4448, 0.6603,
9.2941

206.4474,

■ 0.0000, 0.0000,

224.8296, 414.1527

4.8341

250.4797,
272.1989, 486.6276

■ 0.0000, 0.0000,
2.0932

■ 0.0000, 0.0000,
0.6117

■ 31.4433, 35.2781,
95.5946

■ 31.4433, 35.2781,
95.5946

■ 31.4394, 35.2700,
95.5940

■ 33.4008, 38.5952,
96.1325

■ 35.9666, 42.3664,
96.7252

■ 39.3010, 46.6775,
97.3815

■ 43.5016, 51.5807,
98.1066

■ 48.6501, 57.1207,
98.9045

■ 54.8183, 63.3367,
99.7792

■ 62.0707, 70.2638,
100.7341

■ 70.4660, 77.9347,
101.7722

■ 80.0586, 86.3794,
102.8966

Harmonies

Analogous

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



25.3187, 35.2781, 80.7590



31.4433, 35.2781, 95.5946



39.1133, 35.2781, 91.2017

Triad

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



31.4433, 35.2781, 95.5946



48.8491, 35.2781, 25.1478



23.4450, 35.2781, 17.9860

Complementary

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



31.4433, 35.2781, 95.5946



42.3728, 26.2198, 2.8297

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.



28.5064, 35.2781, 11.3435



31.4433, 35.2781, 95.5946



43.3504, 35.2781, 14.2729

Square

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



31.4433, 35.2781, 95.5946



49.9474, 35.2781, 44.8481



35.7087, 35.2781, 10.2998



21.1744, 35.2781, 32.6229

Rectangle

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



31.4433, 35.2781, 95.5946



44.0478, 35.2781, 78.4754



35.7087, 35.2781, 10.2998



24.8371, 35.2781, 15.0113

Sweetspot

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



31.4447, 35.2792, 95.5955



64.8795, 73.4532, 105.3661



35.6060, 68.9399, 18.8686



13.1717, 15.0479, 22.4603



0.0000, 0.0000, 0.0000



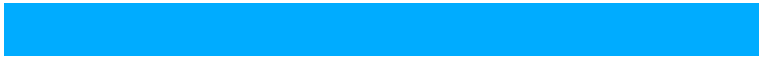
20.3446, 21.4041, 23.3091

Same Dimension

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



31.4447, 35.2792, 95.5955



32.8706, 36.8612, 99.9902



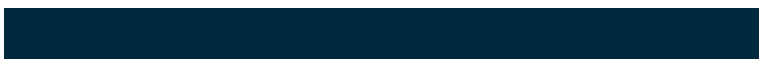
18.2292, 8.8483, 91.1904



17.2639, 18.6046, 22.0664



16.8126, 18.9808, 50.7511



1.6533, 1.9504, 4.7325

Inverse Universe

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



46.5871, 23.1904, 39.5577



48.7208, 24.2523, 41.3231



61.0609, 63.5960, 9.0591



17.7397, 17.4233, 20.4852



24.7783, 12.3270, 21.3386



2.3435, 1.1611, 2.2320

Previews

White Background



This preview shows how the XYZ color 31.4433, 35.2781, 95.5946 looks on a white background.

Color Contrast Check

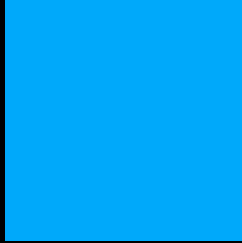
Large Text (above 18pt) WCAG AA × Fail

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 31.4433, 35.2781, 95.5946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

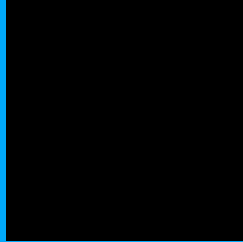
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

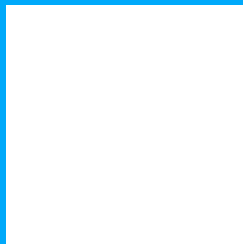
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4433, 35.2781, 95.5946

Background



This preview shows how black text looks on a background with the XYZ color 31.4433, 35.2781, 95.5946.

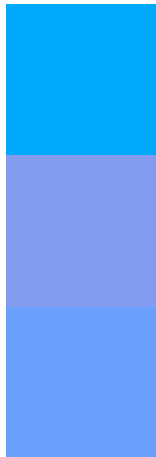


This preview shows how white text looks on a background with the XYZ color 31.4433, 35.2781,

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

31.4433, 35.2781, 95.5946

Protanopia

36.8285, 34.8342, 86.4440

Deuteranopia

36.0322, 34.9503, 96.9424



Tritanopia

25.0164, 35.1620, 54.1836

Trichromacy



Original Color

31.4433, 35.2781, 95.5946

Protanomaly

32.4898, 33.7998, 89.6056

Deuteranomaly

32.8937, 34.3884, 96.1707

Tritanomaly

27.0197, 35.0256, 67.6239

Monochromacy



Original Color

31.4433, 35.2781, 95.5946

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.6622, 24.3728, 42.6451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4433, 35.2781, 95.5946 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, 169, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 250)  
}
```

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, 169, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 250) }
```

Border

The CSS property to change the border of an element to XYZ 31.4433, 35.2781, 95.5946 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, 169, 250) }
```


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

```
.border{ border-color:rgb(0, 169, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4433, 35.2781, 95.5946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 250) }
```

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

```
.background{ background-color: rgb(0, 169,  
250) }
```

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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