

Converting Colors

XYZ(14.8240, 26.6541, 94.2994)

Have a look what the booklet for
XYZ(14.8240, 26.6541, 94.2994)
contains.

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Color

**XYZ(31.2869, 35.2155,
94.7708)**

Conversions

Conversions Part 1

Format	Color
Hex	00A9F9
RGB	0, 169, 249
RGB Percent	0%, 66%, 98%
CMY	0.9997, 0.3372, 0.0235
CMYK	1.00, 0.32, 0.00, 0.02
HSL	199°, 100%, 49%
HSV	199°, 100%, 98%
XYZ	31.2869, 35.2155, 94.7708
YIQ	127.5890, -126.4040, -10.9480

Conversions

Conversions Part 2

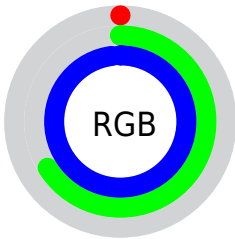
Format	Color
RYB	0, 101, 249
Decimal	43513
CIELab	65.92, -7.85, -49.72
CIELCh	66, 50.339, 261.023
Yxy	35.2155, 0.1940, 0.2184
Android (android.graphics.Color)	4278233593 (0xFF00A9F9)
YUV	127.5890, 59.8556, -111.8956
Hunter-Lab	59.3426, -9.7401, -53.1469

Details

The XYZ color **31.2869, 35.2155, 94.7708** 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 **41.9419, 25.8886, 2.7886**, and the grayscale version is **20.2152, 21.2680, 23.1608**.

A 20% lighter version of the original color is **51.2612, 63.9108, 104.2420**, and **15.8757, 16.5284, 52.2227** is the 20% darker color. If you saturate the color by 10%, you get **31.2827, 35.2069, 94.7701**, and if you desaturate by 10%, it is **33.2223, 38.4919, 95.3020**.

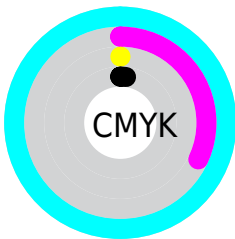
Distribution



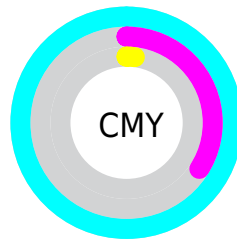
- Red (0%)
- Green (66%)
- Blue (98%)



- 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 31.2869, 35.2155, 94.7708 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 31.2869, 35.2155, 94.7708 by changing the saturation by 10% instead.

■ 31.2869, 35.2155,
94.7708

■ 31.2869, 35.2155,
94.7708

299.6612,
325.5185, 564.3965

■ 20.9703, 23.8289,
71.3484

■ 61.0643, 67.8195,
155.9408

■ 13.2146, 15.2068,
52.1430

■ 81.2557, 89.8057,
194.5254

■ 7.6545, 8.9646,
36.7360

■ 105.4696,
116.0939, 239.0012

■ 3.9246, 4.7181,
24.7090

■ 134.0711,
147.0684, 289.7867

■ 1.6596, 2.0828,
15.6433

■ 167.4256,
183.1138, 347.3005

■ 0.4308, 0.6549,
9.1205

205.8986,

■ 0.0000, 0.0000,

224.6143, 411.9610

4.7220

249.8554,
271.9544, 484.1868

■ 0.0000, 0.0000,
2.0292

■ 0.0000, 0.0000,
0.5732

■ 31.2869, 35.2155,
94.7708

■ 31.2869, 35.2155,
94.7708

■ 31.2827, 35.2069,
94.7701

■ 33.2223, 38.4919,
95.3020

■ 35.7587, 42.2152,
95.8870

■ 39.0552, 46.4703,
96.5345

■ 43.2082, 51.3091,
97.2496

■ 48.2987, 56.7755,
98.0364

■ 54.3978, 62.9082,
98.8987

■ 61.5691, 69.7421,
99.8398

■ 69.8708, 77.3094,
100.8629

■ 79.3569, 85.6397,
101.9709

Harmonies

Analogous

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



25.2500, 35.2155, 79.8635



31.2869, 35.2155, 94.7708



38.8742, 35.2155, 90.7578

Triad

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



31.2869, 35.2155, 94.7708



48.6912, 35.2155, 25.4358



23.5301, 35.2155, 17.9046

Complementary

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



31.2869, 35.2155, 94.7708



41.9419, 25.8886, 2.7886

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.



28.5937, 35.2155, 11.3939



31.2869, 35.2155, 94.7708



43.3075, 35.2155, 14.4865

Square

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



31.2869, 35.2155, 94.7708



49.6964, 35.2155, 45.1032



35.7550, 35.2155, 10.4307



21.2287, 35.2155, 32.2957

Rectangle

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



31.2869, 35.2155, 94.7708



43.7743, 35.2155, 78.3380



35.7550, 35.2155, 10.4307



24.9268, 35.2155, 14.9841

Sweetspot

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



31.2883, 35.2166, 94.7717



64.9373, 73.5688, 105.3854



35.2847, 68.3155, 18.7052



13.1856, 15.0756, 22.4649



0.0000, 0.0000, 0.0000



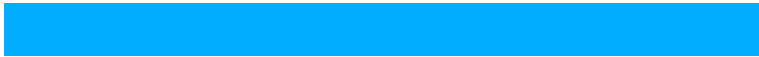
20.3446, 21.4041, 23.3091

Same Dimension

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



31.2883, 35.2166, 94.7717



33.0028, 37.1255, 100.0343



18.0658, 8.7718, 90.3642



17.2680, 18.6129, 22.0678



16.8792, 19.1139, 50.7733



1.6591, 1.9620, 4.7344

Inverse Universe

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



46.2297, 23.0062, 39.5410



48.7875, 24.2790, 41.6744



60.5099, 63.0245, 8.9779



17.7418, 17.4241, 20.4961



24.8119, 12.3405, 21.5154



2.3464, 1.1623, 2.2475

Previews

White Background



This preview shows how the XYZ color 31.2869, 35.2155, 94.7708 looks on a white background.

Color Contrast Check

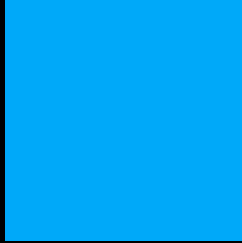
Large Text (above 18pt) WCAG AA × Fail

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 31.2869, 35.2155, 94.7708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

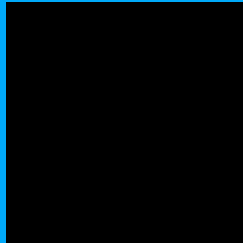
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

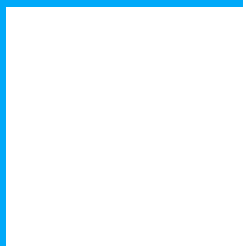
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2869, 35.2155, 94.7708

Background



This preview shows how black text looks on a background with the XYZ color 31.2869, 35.2155, 94.7708.



This preview shows how white text looks on a background with the XYZ color 31.2869, 35.2155,

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

31.2869, 35.2155, 94.7708

Protanopia

36.6812, 34.7753, 85.6679

Deuteranopia

35.9951, 34.9495, 96.1156



Tritanopia

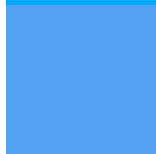
25.0164, 35.1620, 54.1836

Trichromacy



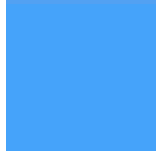
Original Color

31.2869, 35.2155, 94.7708



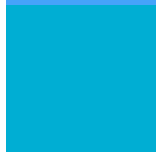
Protanomaly

32.3392, 33.7395, 88.8123



Deuteranomaly

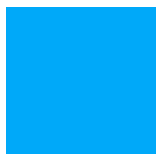
32.8068, 34.3617, 95.3459



Tritanomaly

26.8939, 34.9753, 66.9615

Monochromacy



Original Color

31.2869, 35.2155, 94.7708



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 31.2869, 35.2155, 94.7708 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 249) }
```

Border

The CSS property to change the border of an element to XYZ 31.2869, 35.2155, 94.7708 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, 249) }
```


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

```
.border{ border-color:rgb(0, 169, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2869, 35.2155, 94.7708 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, 249) }
```

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

```
.background{ background-color: rgb(0, 169,  
249) }
```

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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