

Converting Colors

XYZ(19.7254, 29.6277, 94.8540)

Have a look what the booklet for
XYZ(19.7254, 29.6277, 94.8540)
contains.

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Color

**XYZ(31.6300, 35.6516,
95.6568)**

Conversions

Conversions Part 1

Format	Color
Hex	00AAFA
RGB	0, 170, 250
RGB Percent	0%, 67%, 98%
CMY	0.9997, 0.3333, 0.0196
CMYK	1.00, 0.32, 0.00, 0.02
HSL	199°, 100%, 49%
HSV	199°, 100%, 98%
XYZ	31.6300, 35.6516, 95.6568
YIQ	128.2900, -127.0000, -11.1600

Conversions

Conversions Part 2

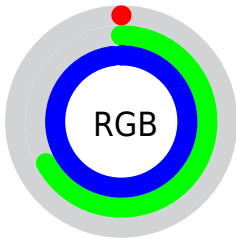
Format	Color
RYB	0, 101, 250
Decimal	43770
CIELab	66.25, -8.05, -49.73
CIELCh	66, 50.382, 260.808
Yxy	35.6516, 0.1941, 0.2188
Android (android.graphics.Color)	4278233850 (0xFF00AAFA)
YUV	128.2900, 60.0030, -112.5103
Hunter-Lab	59.7090, -9.9328, -53.1893

Details

The XYZ color **31.6300, 35.6516, 95.6568** 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 **42.2986, 26.0714, 2.8049**, and the grayscale version is **20.4557, 21.5210, 23.4364**.

A 20% lighter version of the original color is **51.5308, 64.4499, 104.3319**, and **16.1041, 16.8071, 52.8474** is the 20% darker color. If you saturate the color by 10%, you get **31.6265, 35.6442, 95.6563**, and if you desaturate by 10%, it is **33.5792, 38.9521, 96.1919**.

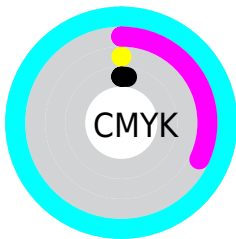
Distribution



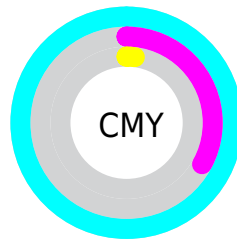
- Red (0%)
- Green (67%)
- Blue (98%)



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



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





- Cyan (100%)
- Magenta (33%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6300, 35.6516, 95.6568 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 31.6300, 35.6516, 95.6568 by changing the saturation by 10% instead.


 31.6300, 35.6516,
95.6568


 31.6300, 35.6516,
95.6568


301.2056,
327.4352, 567.3035


 21.2332, 24.1652,
72.0818


 61.5997, 68.4940,
157.1751


 13.4080, 15.4562,
52.7383

 81.9034, 90.6188,
195.9555

 7.7890, 9.1402,
37.2076


 106.2400,
117.0585, 240.6414

 4.0109, 4.8327,
25.0712

 134.9750,
148.1976, 291.6515

 1.7083, 2.1495,
15.9106

 168.4737,
184.4204, 349.4042

 0.4615, 0.6922,
9.3073

207.1015,

 0.0000, 0.0000,

226.1114, 414.3180

4.8426

251.2237,
273.6548, 486.8116

■ 0.0000, 0.0000,
2.0981

■ 0.0000, 0.0000,
0.6146

■ 31.6300, 35.6516,
95.6568

■ 31.6300, 35.6516,
95.6568

■ 31.6265, 35.6442,
95.6563

■ 33.5792, 38.9521,
96.1919

■ 36.1344, 42.7023,
96.7811

■ 39.4560, 46.9879,
97.4332

■ 43.6414, 51.8612,
98.1533

■ 48.7725, 57.3665,
98.9455

■ 54.9208, 63.5429,
99.8136

■ 62.1508, 70.4257,
100.7610

■ 70.5212, 78.0471,
101.7909

■ 80.0864, 86.4372,
102.9063

Harmonies

Analogous

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



25.5522, 35.6516, 80.5221



31.6300, 35.6516, 95.6568



39.2808, 35.6516, 91.7575

Triad

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



31.6300, 35.6516, 95.6568



49.2628, 35.6516, 25.8985



23.8775, 35.6516, 18.1044

Complementary

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



31.6300, 35.6516, 95.6568



42.2986, 26.0714, 2.8049

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.



29.0088, 35.6516, 11.5662



31.6300, 35.6516, 95.6568



43.8589, 35.6516, 14.7722

Square

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



31.6300, 35.6516, 95.6568



50.2403, 35.6516, 45.8100



36.2463, 35.6516, 10.6261



21.5322, 35.6516, 32.5773

Rectangle

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



31.6300, 35.6516, 95.6568



44.2304, 35.6516, 79.3091



36.2463, 35.6516, 10.6261



25.2946, 35.6516, 15.1693

Sweetspot

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



31.6314, 35.6527, 95.6577



64.9650, 73.6242, 105.3946



35.6058, 68.9398, 18.8680



13.1922, 15.0888, 22.4671



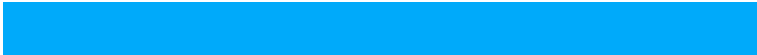
0.0000, 0.0000, 0.0000



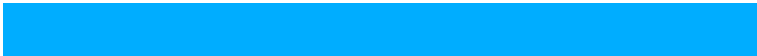
20.3446, 21.4041, 23.3091

Same Dimension

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



31.6314, 35.6527, 95.6577



33.0664, 37.2527, 100.0555



18.2290, 8.8479, 91.1903



17.2700, 18.6168, 22.0685



16.9112, 19.1780, 50.7840



1.6619, 1.9675, 4.7354

Inverse Universe

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



46.6813, 23.2280, 40.0542



48.8196, 24.2918, 41.8435



61.0607, 63.5956, 9.0589



17.7428, 17.4245, 20.5014



24.8280, 12.3469, 21.6006



2.3478, 1.1629, 2.2549

Previews

White Background



This preview shows how the XYZ color 31.6300, 35.6516, 95.6568 looks on a white background.

Color Contrast Check

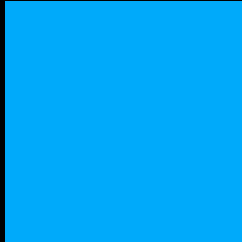
Large Text (above 18pt) WCAG AA × Fail

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 31.6300, 35.6516, 95.6568 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

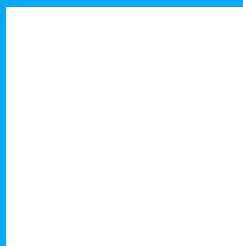
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6300, 35.6516, 95.6568

Background



This preview shows how black text looks on a background with the XYZ color 31.6300, 35.6516, 95.6568.



This preview shows how white text looks on a background with the XYZ color 31.6300, 35.6516,

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

31.6300, 35.6516, 95.6568

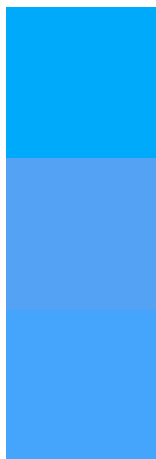
Protanopia

37.1527, 35.2515, 86.5074

Deuteranopia

36.4482, 35.4211, 97.0114

Trichromacy



Original Color

31.6300, 35.6516, 95.6568

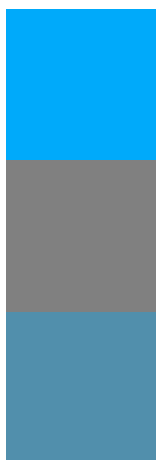
Protanomaly

32.7541, 34.1965, 89.6683

Deuteranomaly

33.1423, 34.7812, 96.2334

Monochromacy



Original Color

31.6300, 35.6516, 95.6568

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 31.6300, 35.6516, 95.6568 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, 170, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 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, 170, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 250) }
```

Border

The CSS property to change the border of an element to XYZ 31.6300, 35.6516, 95.6568 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, 170, 250) }
```

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

```
.border{ border-color:rgb(0, 170, 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, 170, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
250) }
```


Background

The CSS property to change the background color of an element to XYZ 31.6300, 35.6516, 95.6568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 250) }
```

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

```
.background{ background-color: rgb(0, 170,  
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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