

Converting Colors

XYZ(31.5221, 35.1849, 96.1308)

Have a look what the booklet for
XYZ(31.5221, 35.1849, 96.1308)
contains.

XYZ(31.6506, 35.3668, 96.4251)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(31.6506, 35.3668,
96.4251)**

Conversions

Conversions Part 1

Format	Color
Hex	04A9FB
RGB	4, 169, 251
RGB Percent	2%, 66%, 98%
CMY	0.9840, 0.3372, 0.0157
CMYK	0.98, 0.33, 0.00, 0.02
HSL	200°, 97%, 50%
HSV	200°, 98%, 98%
XYZ	31.6506, 35.3668, 96.4251
YIQ	129.0130, -124.6620, -9.4780

Conversions

Conversions Part 2

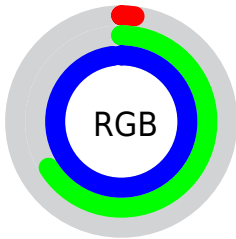
Format	Color
RYB	4, 103, 251
Decimal	305659
CIELab	66.03, -7.03, -50.62
CIELCh	66, 51.110, 262.098
Yxy	35.3668, 0.1936, 0.2164
Android (android.graphics.Color)	4278495739 (0xFF04A9FB)
YUV	129.0130, 60.1396, -109.6364
Hunter-Lab	59.4700, -9.0728, -54.5043

Details

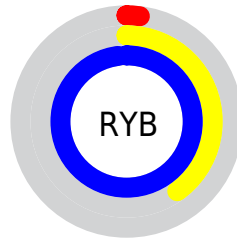
The XYZ color **31.6506, 35.3668, 96.4251** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **43.1396, 27.1850, 3.0904**, and the grayscale version is **20.7060, 21.7843, 23.7231**.

A 20% lighter version of the original color is **51.3877, 63.9761, 104.2479**, and **16.0989, 16.6176, 53.3980** is the 20% darker color. If you saturate the color by 10%, you get **31.3509, 34.8414, 96.3402**, and if you desaturate by 10%, it is **33.7130, 38.8063, 96.9811**.

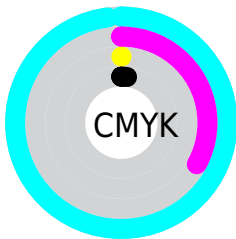
Distribution



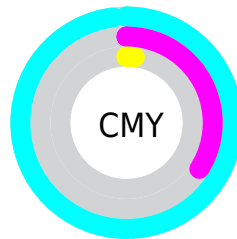
- Red (2%)
- Green (66%)
- Blue (98%)



- Red (2%)
- Yellow (40%)
- Blue (98%)



- Cyan (98%)
- Magenta (33%)
- Yellow (0%)
- Black (2%)



- Cyan (98%)
- Magenta (34%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6506, 35.3668, 96.4251 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 31.6506, 35.3668, 96.4251 by changing the saturation by 10% instead.

■ 31.6506, 35.3668,
96.4251

■ 31.6506, 35.3668,
96.4251

301.2982,
326.1844, 569.8178

■ 21.2490, 23.9456,
72.7182

■ 61.6318, 68.0536,
158.2444

■ 13.4196, 15.2932,
53.2552

■ 81.9422, 90.0880,
197.1940

■ 7.7971, 9.0254,
37.6174

■ 106.2862,
116.4288, 242.0615

■ 4.0161, 4.7578,
25.3863

■ 135.0292,
147.4606, 293.2656

■ 1.7113, 2.1059,
16.1435

■ 168.5365,
183.5676, 351.2247

■ 0.4633, 0.6679,
9.4703

207.1736,

■ 0.0000, 0.0000,

225.1343, 416.3574

4.9482

251.3057,
272.5451, 489.0822

■ 0.0000, 0.0000,
2.1587

■ 0.0000, 0.0000,
0.6504

■ 31.6506, 35.3668,
96.4251

■ 31.6506, 35.3668,
96.4251

■ 31.3509, 34.8414,
96.3402

■ 33.7130, 38.8063,
96.9811

■ 36.4385, 42.7366,
97.5960

■ 39.9614, 47.2299,
98.2777

■ 44.3773, 52.3381,
99.0309

■ 49.7670, 58.1053,
99.8600

■ 56.2018, 64.5705,
100.7688

■ 63.7459, 71.7692,
101.7606

■ 72.4580, 79.7340,
102.8388

■ 82.3924, 88.4951,
104.0063

Harmonies

Analogous

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



25.4320, 35.3668, 81.7344



31.6506, 35.3668, 96.4251



39.4023, 35.3668, 91.5847

Triad

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



31.6506, 35.3668, 96.4251



49.0106, 35.3668, 24.8420



23.3751, 35.3668, 18.1347

Complementary

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



31.6506, 35.3668, 96.4251



43.1396, 27.1850, 3.0904

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.



28.4243, 35.3668, 11.3338



31.6506, 35.3668, 96.4251



43.3885, 35.3668, 14.0677

Square

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



31.6506, 35.3668, 96.4251



50.2192, 35.3668, 44.5377



35.6592, 35.3668, 10.1929



21.1453, 35.3668, 33.0494

Rectangle

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



31.6506, 35.3668, 96.4251



44.3648, 35.3668, 78.5325



35.6592, 35.3668, 10.1929



24.7592, 35.3668, 15.0957

Sweetspot

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



31.6520, 35.3679, 96.4260



64.7097, 73.1135, 105.3095



36.0815, 69.6344, 19.5747



13.1311, 14.9667, 22.4467



0.0000, 0.0000, 0.0000



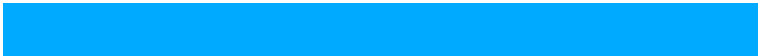
20.3446, 21.4041, 23.3091

Same Dimension

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



31.6520, 35.3679, 96.4260



32.4850, 36.0901, 99.8617



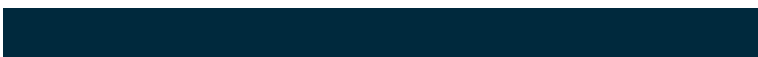
18.5763, 9.2166, 92.0675



17.2518, 18.5804, 22.0624



16.6184, 18.5925, 50.6864



1.6364, 1.9165, 4.7268

Inverse Universe

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



46.9898, 23.4624, 39.5890



48.5261, 24.1745, 40.2983



61.8127, 64.5312, 9.3148



17.7336, 17.4208, 20.4530



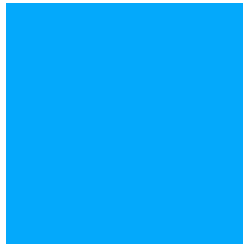
24.6802, 12.2878, 20.8224



2.3349, 1.1577, 2.1870

Previews

White Background



This preview shows how the XYZ color 31.6506, 35.3668, 96.4251 looks on a white background.

Color Contrast Check

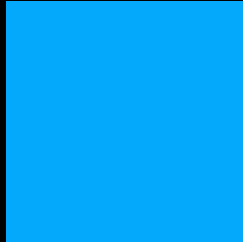
Large Text (above 18pt) WCAG AA × Fail

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 31.6506, 35.3668, 96.4251 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

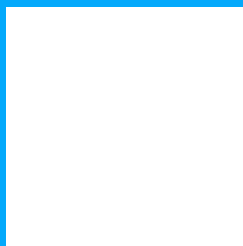
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6506, 35.3668, 96.4251

Background



This preview shows how black text looks on a background with the XYZ color 31.6506, 35.3668, 96.4251.



This preview shows how white text looks on a background with the XYZ color 31.6506, 35.3668,

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

31.6506, 35.3668, 96.4251

Protanopia

36.9911, 35.1510, 87.2733

Deuteranopia

36.2443, 35.2976, 97.8314

Trichromacy



Original Color

31.6506, 35.3668, 96.4251

Protanomaly

32.7302, 33.9062, 90.4074

Deuteranomaly

33.1221, 34.4879, 97.0066

Monochromacy



Original Color

31.6506, 35.3668, 96.4251

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.1722, 24.8485, 43.2155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6506, 35.3668, 96.4251 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(4, 169, 251)` looks like.

```
.text, #text, p{  
    color:rgb(4, 169, 251)  
}
```

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(4, 169, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 169, 251) }
```

Border

The CSS property to change the border of an element to XYZ 31.6506, 35.3668, 96.4251 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(4, 169, 251) }
```

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

```
.border{ border-color:rgb(4, 169, 251) }
```

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

Here you see how a box with a 4 pixel rgb(4, 169, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 169, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 169, 251);  
box-shadow:4px 4px 4px 4px rgb(4, 169,  
251) }
```


Background

The CSS property to change the background color of an element to XYZ 31.6506, 35.3668, 96.4251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 169, 251) }
```

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

```
.background{ background-color: rgb(4, 169,  
251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor