

Converting Colors

XYZ(20.3254, 30.0575, 94.4002)

Have a look what the booklet for
XYZ(20.3254, 30.0575, 94.4002)
contains.

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Color

**XYZ(31.6618, 35.9654,
94.8958)**

Conversions

Conversions Part 1

Format	Color
Hex	00ABF9
RGB	0, 171, 249
RGB Percent	0%, 67%, 98%
CMY	0.9997, 0.3294, 0.0235
CMYK	1.00, 0.31, 0.00, 0.02
HSL	199°, 100%, 49%
HSV	199°, 100%, 98%
XYZ	31.6618, 35.9654, 94.8958
YIQ	128.7630, -126.9540, -11.9940

Conversions

Conversions Part 2

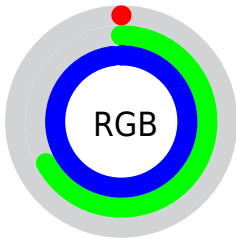
Format	Color
RYB	0, 101, 249
Decimal	44025
CIELab	66.49, -8.97, -48.81
CIElCh	66, 49.628, 259.587
Yxy	35.9654, 0.1948, 0.2213
Android (android.graphics.Color)	4278234105 (0xFF00ABF9)
YUV	128.7630, 59.2768, -112.9252
Hunter-Lab	59.9712, -10.7104, -51.8382

Details

The XYZ color **31.6618, 35.9654, 94.8958** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **41.7971, 25.5989, 2.7402**, and the grayscale version is **20.6226, 21.6966, 23.6276**.

A 20% lighter version of the original color is **51.8019, 64.9922, 104.4222**, and **16.1113, 16.9994, 52.3012** is the 20% darker color. If you saturate the color by 10%, you get **31.6580, 35.9576, 94.8953**, and if you desaturate by 10%, it is **33.5801, 39.2076, 95.4213**.

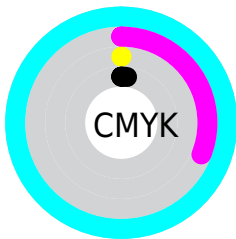
Distribution



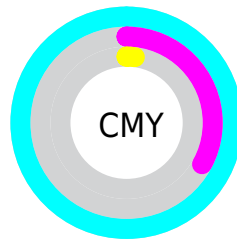
- Red (0%)
- Green (67%)
- Blue (98%)



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



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (2%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6618, 35.9654, 94.8958 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 31.6618, 35.9654, 94.8958 by changing the saturation by 10% instead.

■ 31.6618, 35.9654,
94.8958

■ 31.6618, 35.9654,
94.8958

301.3485,
328.8093, 564.8072

■ 21.2576, 24.4075,
71.4518

■ 61.6493, 68.9787,
156.1150

■ 13.4260, 15.6362,
52.2269

■ 81.9633, 91.2028,
194.7273

■ 7.8015, 9.2671,
36.8025

■ 106.3113,
117.7511, 239.2328

■ 4.0189, 4.9158,
24.7600

■ 135.0586,
149.0080, 290.0500

■ 1.7129, 2.1979,
15.6810

■ 168.5707,
185.3579, 347.5975

■ 0.4643, 0.7189,
9.1468

207.2128,

■ 0.0000, 0.0000,

227.1851, 412.2939

4.7389

251.3502,
274.8741, 484.5576

■ 0.0000, 0.0000,
2.0389

■ 0.0000, 0.0000,
0.5790

■ 31.6618, 35.9654,
94.8958

■ 31.6618, 35.9654,
94.8958

■ 31.6580, 35.9576,
94.8953

■ 33.5801, 39.2076,
95.4213

■ 36.0950, 42.8882,
95.9992

■ 39.3656, 47.0918,
96.6382

■ 43.4883, 51.8701,
97.3432

■ 48.5438, 57.2668,
98.1184

■ 54.6032, 63.3204,
98.9675

■ 61.7299, 70.0657,
99.8938

■ 69.9822, 77.5344,
100.9005

■ 79.4138, 85.7561,
101.9903

Harmonies

Analogous

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



25.7192, 35.9654, 79.3974



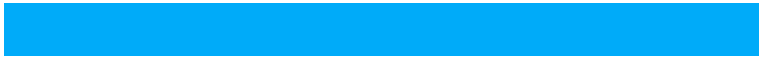
31.6618, 35.9654, 94.8958



39.2104, 35.9654, 91.8669

Triad

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



31.6618, 35.9654, 94.8958



49.5199, 35.9654, 26.9628



24.4031, 35.9654, 18.1436

Complementary

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



31.6618, 35.9654, 94.8958



41.7971, 25.5989, 2.7402

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.



29.6067, 35.9654, 11.8448



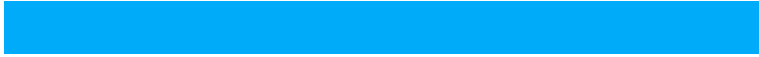
31.6618, 35.9654, 94.8958



44.3281, 35.9654, 15.5067

Square

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



31.6618, 35.9654, 94.8958



50.2824, 35.9654, 47.0461



36.8368, 35.9654, 11.0965



21.9505, 35.9654, 32.2088

Rectangle

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



31.6618, 35.9654, 94.8958



44.1405, 35.9654, 80.0071



36.8368, 35.9654, 11.0965



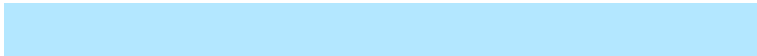
25.8501, 35.9654, 15.3029

Sweetspot

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



31.6632, 35.9666, 94.8967



65.1092, 73.9126, 105.4427



35.1383, 68.2570, 17.9348



13.2267, 15.1579, 22.4786



0.0000, 0.0000, 0.0000



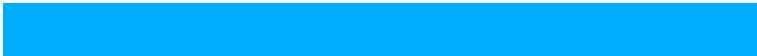
20.3446, 21.4041, 23.3091

Same Dimension

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



31.6632, 35.9666, 94.8967



33.3992, 37.9184, 100.1664



18.2344, 9.1091, 90.4205



17.2802, 18.6373, 22.0719



17.0787, 19.5130, 50.8398



1.6765, 1.9967, 4.7402

Inverse Universe

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



46.4189, 23.0818, 40.5376



48.9876, 24.3590, 42.7281



59.5406, 61.0860, 8.6547



17.7480, 17.4265, 20.5286



24.9126, 12.3808, 22.0458



2.3551, 1.1658, 2.2936

Previews

White Background



This preview shows how the XYZ color 31.6618, 35.9654, 94.8958 looks on a white background.

Color Contrast Check

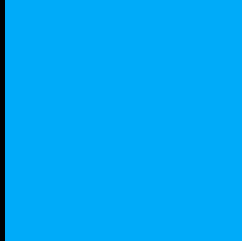
Large Text (above 18pt) WCAG AA × Fail

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 31.6618, 35.9654, 94.8958 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

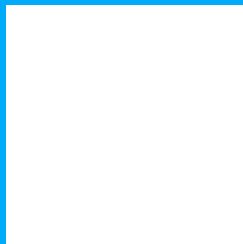
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6618, 35.9654, 94.8958

Background



This preview shows how black text looks on a background with the XYZ color 31.6618, 35.9654, 94.8958.

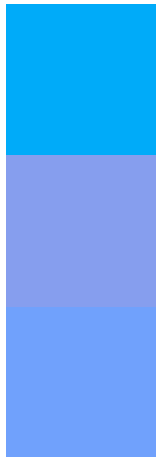


This preview shows how white text looks on a background with the XYZ color 31.6618, 35.9654,

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

31.6618, 35.9654, 94.8958

Protanopia

37.4910, 35.6951, 85.8028

Deuteranopia

36.9976, 35.9628, 97.0870

Trichromacy



Original Color

31.6618, 35.9654, 94.8958

Protanomaly

32.8705, 34.5365, 88.9381

Deuteranomaly

33.4663, 35.2149, 96.3001

Monochromacy



Original Color

31.6618, 35.9654, 94.8958

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.9958, 24.7575, 43.2072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6618, 35.9654, 94.8958 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, 171, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 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, 171, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 249) }
```

Border

The CSS property to change the border of an element to XYZ 31.6618, 35.9654, 94.8958 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, 171, 249) }
```

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

```
.border{ border-color:rgb(0, 171, 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, 171, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
249) }
```


Background

The CSS property to change the background color of an element to XYZ 31.6618, 35.9654, 94.8958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 249) }
```

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

```
.background{ background-color: rgb(0, 171,  
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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