

Converting Colors

XYZ(31.3716, 35.6908, 93.8561)

Have a look what the booklet for
XYZ(31.3716, 35.6908, 93.8561)
contains.

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Color

**XYZ(31.3180, 35.5268,
94.0137)**

Conversions

Conversions Part 1

Format	Color
Hex	00AAF8
RGB	0, 170, 248
RGB Percent	0%, 67%, 97%
CMY	0.9997, 0.3333, 0.0274
CMYK	1.00, 0.31, 0.00, 0.03
HSL	199°, 100%, 49%
HSV	199°, 100%, 97%
XYZ	31.3180, 35.5268, 94.0137
YIQ	128.0620, -126.3580, -11.7820

Conversions

Conversions Part 2

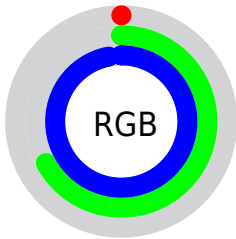
Format	Color
RYB	0, 101, 248
Decimal	43768
CIELab	66.16, -8.78, -48.80
CIELCh	66, 49.580, 259.803
Yxy	35.5268, 0.1947, 0.2209
Android (android.graphics.Color)	4278233848 (0xFF00AAF8)
YUV	128.0620, 59.1294, -112.3104
Hunter-Lab	59.6044, -10.5181, -51.7948

Details

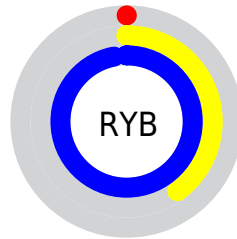
The XYZ color **31.3180, 35.5268, 94.0137** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **41.4413, 25.4152, 2.7234**, and the grayscale version is **20.3797, 21.4411, 23.3493**.

A 20% lighter version of the original color is **51.5308, 64.4499, 104.3319**, and **15.8824, 16.7185, 51.6801** is the 20% darker color. If you saturate the color by 10%, you get **31.3144, 35.5194, 94.0132**, and if you desaturate by 10%, it is **33.2225, 38.7452, 94.5353**.

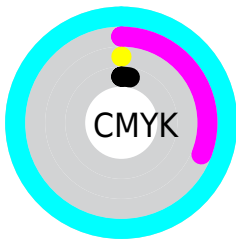
Distribution



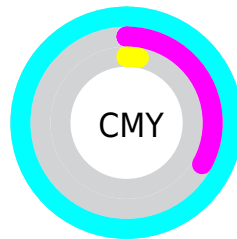
- Red (0%)
- Green (67%)
- Blue (97%)



- Red (0%)
- Yellow (40%)
- Blue (97%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (33%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3180, 35.5268, 94.0137 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 31.3180, 35.5268, 94.0137 by changing the saturation by 10% instead.

■ 31.3180, 35.5268,
94.0137

■ 31.3180, 35.5268,
94.0137

299.8015,
326.8875, 561.9061

■ 20.9941, 24.0690,
70.7220

■ 61.1128, 68.3011,
154.8851

■ 13.2321, 15.3848,
51.6349

■ 81.3145, 90.3863,
193.3019

■ 7.6667, 9.0899,
36.3339

■ 105.5395,
116.7827, 237.5975

■ 3.9324, 4.7999,
24.4005

■ 134.1531,
147.8748, 288.1904

■ 1.6640, 2.1303,
15.4160

■ 167.5208,
184.0470, 345.4992

■ 0.4336, 0.6816,
8.9620

206.0078,

■ 0.0000, 0.0000,

225.6835, 409.9424

4.6199

249.9796,
273.1689, 481.9385

■ 0.0000, 0.0000,
1.9712

■ 0.0000, 0.0000,
0.5375

■ 31.3180, 35.5268,
94.0137

■ 31.3180, 35.5268,
94.0137

■ 31.3144, 35.5194,
94.0132

■ 33.2225, 38.7452,
94.5353

■ 35.7186, 42.3991,
95.1090

■ 38.9640, 46.5725,
95.7435

■ 43.0541, 51.3165,
96.4436

■ 48.0691, 56.6745,
97.2135

■ 54.0790, 62.6847,
98.0568

■ 61.1470, 69.3813,
98.9769

■ 69.3306, 76.7961,
99.9768

■ 78.6830, 84.9583,
101.0593

Harmonies

Analogous

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



25.4154, 35.5268, 78.7431



31.3180, 35.5268, 94.0137



38.8037, 35.5268, 90.8671

Triad

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



31.3180, 35.5268, 94.0137



48.9465, 35.5268, 26.4887



24.0510, 35.5268, 17.9428

Complementary

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



31.3180, 35.5268, 94.0137



41.4413, 25.4152, 2.7234

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.



29.1864, 35.5268, 11.6697



31.3180, 35.5268, 94.0137



43.7733, 35.5268, 15.2123

Square

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



31.3180, 35.5268, 94.0137



49.7381, 35.5268, 46.3284



36.3408, 35.5268, 10.8956



21.6433, 35.5268, 31.9281

Rectangle

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



31.3180, 35.5268, 94.0137



43.6845, 35.5268, 79.0319



36.3408, 35.5268, 10.8956



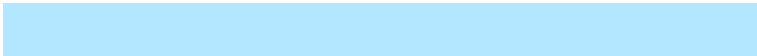
25.4773, 35.5268, 15.1161

Sweetspot

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



31.3194, 35.5279, 94.0146



65.0823, 73.8587, 105.4337



34.8198, 67.6363, 17.7780



13.2202, 15.1450, 22.4764



0.0000, 0.0000, 0.0000



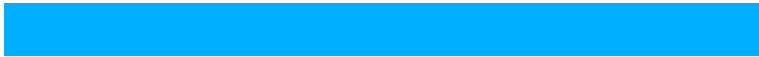
20.3446, 21.4041, 23.3091

Same Dimension

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



31.3194, 35.5279, 94.0146



33.3367, 37.7933, 100.1456



18.0702, 9.0296, 89.5982



17.2783, 18.6334, 22.0712



17.0473, 19.4501, 50.8293



1.6738, 1.9912, 4.7393

Inverse Universe

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



45.9684, 22.8605, 40.0208



48.9560, 24.3464, 42.5619



59.0011, 60.5347, 8.5766



17.7470, 17.4262, 20.5235



24.8967, 12.3744, 21.9622



2.3538, 1.1652, 2.2863

Previews

White Background



This preview shows how the XYZ color 31.3180, 35.5268, 94.0137 looks on a white background.

Color Contrast Check

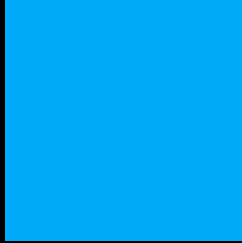
Large Text (above 18pt) WCAG AA × Fail

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 31.3180, 35.5268, 94.0137 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

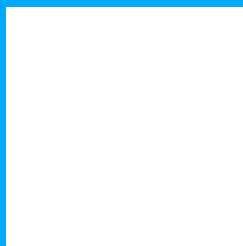
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3180, 35.5268, 94.0137

Background



This preview shows how black text looks on a background with the XYZ color 31.3180, 35.5268, 94.0137.

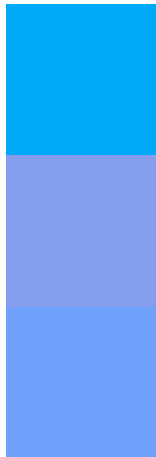


This preview shows how white text looks on a background with the XYZ color 31.3180, 35.5268,

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

31.3180, 35.5268, 94.0137

Protanopia

37.0159, 35.2149, 84.9670

Deuteranopia

36.3817, 35.4232, 95.3623

Trichromacy



Original Color

31.3180, 35.5268, 94.0137

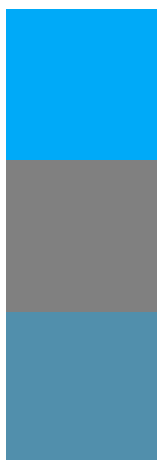
Protanomaly

32.5438, 34.1228, 88.0902

Deuteranomaly

32.9729, 34.7301, 94.5882

Monochromacy



Original Color

31.3180, 35.5268, 94.0137

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 31.3180, 35.5268, 94.0137 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 248) }
```

Border

The CSS property to change the border of an element to XYZ 31.3180, 35.5268, 94.0137 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, 248) }
```

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

```
.border{ border-color:rgb(0, 170, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 248);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
248) }
```


Background

The CSS property to change the background color of an element to XYZ 31.3180, 35.5268, 94.0137 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, 248) }
```

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

```
.background{ background-color: rgb(0, 170,  
248) }
```

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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