

Converting Colors

XYZ(31.3932, 33.9318, 97.4394)

Have a look what the booklet for
XYZ(31.3932, 33.9318, 97.4394)
contains.

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Color

**XYZ(31.4060, 33.8494,
97.8068)**

Conversions

Conversions Part 1

Format	Color
Hex	19A4FD
RGB	25, 164, 253
RGB Percent	10%, 64%, 99%
CMY	0.9018, 0.3569, 0.0078
CMYK	0.90, 0.35, 0.00, 0.01
HSL	203°, 98%, 55%
HSV	203°, 90%, 99%
XYZ	31.4060, 33.8494, 97.8068
YIQ	132.5850, -111.4130, -1.7890

Conversions

Conversions Part 2

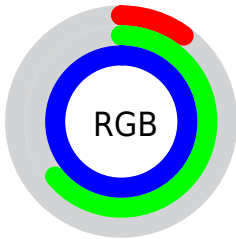
Format	Color
R _Y B	25, 111, 253
Decimal	1680637
CIE Lab	64.84, -2.79, -53.59
CIE LCh	65, 53.663, 267.019
Yxy	33.8494, 0.1926, 0.2076
Android (android.graphics.Color)	4279870717 (0xFF19A4FD)
YUV	132.5850, 59.3646, -94.3520
Hunter-Lab	58.1802, -5.4602, -58.9463

Details

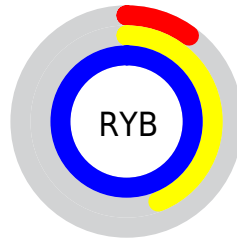
The XYZ color **31.4060, 33.8494, 97.8068** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **46.7060, 32.9967, 4.8293**, and the grayscale version is **21.9689, 23.1130, 25.1701**.

A 20% lighter version of the original color is **50.7176, 61.6649, 103.8372**, and **15.8689, 15.7958, 54.4371** is the 20% darker color. If you saturate the color by 10%, you get **29.3226, 30.2775, 97.2279**, and if you desaturate by 10%, it is **34.1746, 38.0040, 98.4635**.

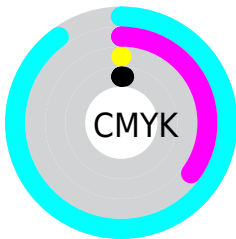
Distribution



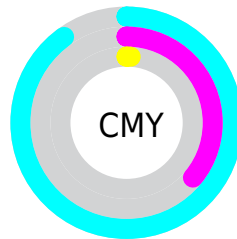
- Red (10%)
- Green (64%)
- Blue (99%)



- Red (10%)
- Yellow (44%)
- Blue (99%)



- Cyan (90%)
- Magenta (35%)
- Yellow (0%)
- Black (1%)



- Cyan (90%)
- Magenta (36%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4060, 33.8494, 97.8068 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 31.4060, 33.8494, 97.8068 by changing the saturation by 10% instead.

■ 31.4060, 33.8494,
97.8068

■ 31.4060, 33.8494,
97.8068

300.1980,
319.4600, 574.3244

■ 21.0615, 22.7779,
73.8635

■ 61.2502, 65.6994,
160.1654

■ 13.2817, 14.4296,
54.1862

■ 81.4807, 87.2467,
199.4179

■ 7.7012, 8.4201,
38.3564

■ 105.7372,
113.0548, 244.6105

■ 3.9545, 4.3649,
25.9554

■ 134.3851,
143.5080, 296.1617

■ 1.6764, 1.8797,
16.5648

■ 167.7898,
178.9907, 354.4902

■ 0.4415, 0.5361,
9.7661

206.3166,

■ 0.0000, 0.0000,

219.8874, 420.0145

5.1406

250.3309,
266.5823, 493.1530

■ 0.0000, 0.0000,
2.2698

■ 0.0000, 0.0000,
0.7142

■ 31.4060, 33.8494,
97.8068

■ 31.4060, 33.8494,
97.8068

■ 29.3226, 30.2775,
97.2279

■ 34.1746, 38.0040,
98.4635

■ 37.7717, 42.7936,
99.1984

■ 42.3003, 48.2760,
100.0180

■ 47.8464, 54.4997,
100.9270

■ 54.4850, 61.5075,
101.9297

■ 62.2839, 69.3383,
103.0301

■ 71.3047, 78.0276,
104.2319

■ 81.6046, 87.6088,
105.5384

■ 93.2370, 98.1129,
106.9528

Harmonies

Analogous

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



24.7409, 33.8494, 85.3390



31.4060, 33.8494, 97.8068



39.4086, 33.8494, 89.2727

Triad

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



31.4060, 33.8494, 97.8068



47.3141, 33.8494, 20.7030



21.2457, 33.8494, 18.2006

Complementary

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



31.4060, 33.8494, 97.8068



46.7060, 32.9967, 4.8293

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.



25.8818, 33.8494, 10.4532



31.4060, 33.8494, 97.8068



40.9614, 33.8494, 11.4383

Square

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



31.4060, 33.8494, 97.8068



49.4164, 33.8494, 39.1147



32.9521, 33.8494, 8.5949



19.4949, 33.8494, 34.6864

Rectangle

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



31.4060, 33.8494, 97.8068



44.3180, 33.8494, 74.1618



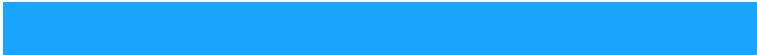
32.9521, 33.8494, 8.5949



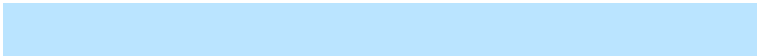
22.4779, 33.8494, 14.7856

Sweetspot

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



31.4073, 33.8505, 97.8077



66.1126, 73.2307, 105.2582



38.4758, 71.6376, 27.2532



13.5129, 15.0511, 22.4429



0.0000, 0.0000, 0.0000



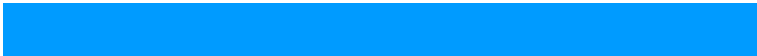
20.3446, 21.4041, 23.3091

Same Dimension

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



31.4073, 33.8505, 97.8077



29.8454, 30.8107, 98.9818



19.3434, 9.7226, 93.7864



17.9247, 19.2209, 23.0152



15.7443, 16.3982, 51.7699



1.6393, 1.8092, 5.0761

Inverse Universe

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



47.5578, 24.2602, 37.2987



47.1938, 23.6415, 33.2820



67.9910, 75.5666, 11.9243



18.4746, 18.1732, 21.1165



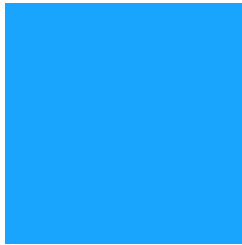
24.7352, 12.3834, 17.7879



2.4620, 1.2272, 2.0145

Previews

White Background



This preview shows how the XYZ color 31.4060, 33.8494, 97.8068 looks on a white background.

Color Contrast Check

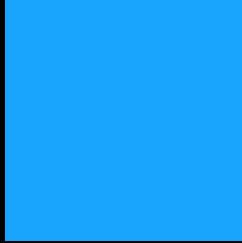
Large Text (above 18pt) WCAG AA × Fail

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 31.4060, 33.8494, 97.8068 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

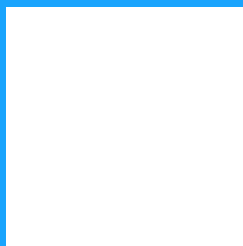
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4060, 33.8494, 97.8068

Background



This preview shows how black text looks on a background with the XYZ color 31.4060, 33.8494, 97.8068.



This preview shows how white text looks on a background with the XYZ color 31.4060, 33.8494,

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

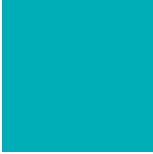
31.4060, 33.8494, 97.8068

Protanopia

35.7373, 33.4645, 89.3698

Deuteranopia

34.8263, 33.7668, 99.2899



Tritanopia

23.9990, 33.8173, 51.7169

Trichromacy



Original Color

31.4060, 33.8494, 97.8068

Protanomaly

32.7760, 32.8556, 92.6100

Deuteranomaly

32.9860, 33.5995, 98.5127

Tritanomaly

26.1202, 33.4607, 66.0546

Monochromacy



Original Color

31.4060, 33.8494, 97.8068

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.5252, 25.5005, 45.3299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4060, 33.8494, 97.8068 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(25, 164, 253)` looks like.

```
.text, #text, p{  
    color:rgb(25, 164, 253)  
}
```

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(25, 164, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 164, 253) }
```

Border

The CSS property to change the border of an element to XYZ 31.4060, 33.8494, 97.8068 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(25, 164, 253) }
```


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

```
.border{ border-color:rgb(25, 164, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 164, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 164, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 164, 253);  
box-shadow:4px 4px 4px 4px rgb(25, 164,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4060, 33.8494, 97.8068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 164, 253) }
```

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

```
.background{ background-color: rgb(25, 164,  
253) }
```

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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