

Converting Colors

XYZ(31.2900, 33.7517, 98.6325)

Have a look what the booklet for
XYZ(31.2900, 33.7517, 98.6325)
contains.

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Color

**XYZ(31.3029, 33.7778,
98.6359)**

Conversions

Conversions Part 1

Format	Color
Hex	0BA4FE
RGB	11, 164, 254
RGB Percent	4%, 64%, 100%
CMY	0.9566, 0.3569, 0.0039
CMYK	0.96, 0.35, 0.00, 0.00
HSL	202°, 99%, 52%
HSV	202°, 96%, 100%
XYZ	31.3029, 33.7778, 98.6359
YIQ	128.5130, -120.0780, -4.4460

Conversions

Conversions Part 2

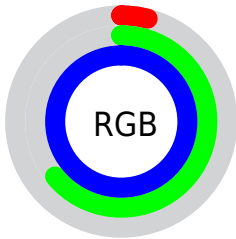
Format	Color
R _Y B	11, 105, 254
Decimal	763134
CIE Lab	64.79, -2.92, -54.23
CIE LCh	65, 54.311, 266.914
Yxy	33.7778, 0.1912, 0.2063
Android (android.graphics.Color)	4278953214 (0xFF0BA4FE)
YUV	128.5130, 61.8651, -103.0589
Hunter-Lab	58.1187, -5.5670, -59.9407

Details

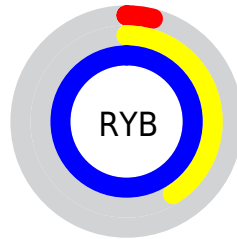
The XYZ color **31.3029, 33.7778, 98.6359** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **45.5952, 30.4173, 3.7869**, and the grayscale version is **20.5257, 21.5946, 23.5166**.

A 20% lighter version of the original color is **50.3209, 61.4604, 103.8186**, and **15.9832, 15.8415, 55.0386** is the 20% darker color. If you saturate the color by 10%, you get **30.4427, 32.2621, 98.3894**, and if you desaturate by 10%, it is **33.6564, 37.5847, 99.2474**.

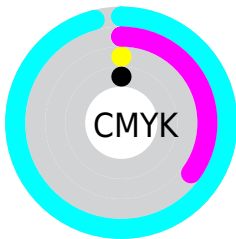
Distribution



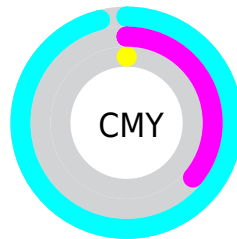
- Red (4%)
- Green (64%)
- Blue (100%)



- Red (4%)
- Yellow (41%)
- Blue (100%)



- Cyan (96%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (96%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3029, 33.7778, 98.6359 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 31.3029, 33.7778, 98.6359 by changing the saturation by 10% instead.

■ 31.3029, 33.7778,
98.6359

■ 31.3029, 33.7778,
98.6359

299.7334,
319.1401, 577.0196

■ 20.9826, 22.7230,
74.5513

■ 61.0892, 65.5880,
161.3168

■ 13.2236, 14.3891,
54.7459

■ 81.2860, 87.1121,
200.7502

■ 7.6608, 8.3918,
38.8011

■ 105.5055,
112.8948, 246.1369

■ 3.9286, 4.3466,
26.2984

■ 134.1133,
143.3204, 297.8956

■ 1.6618, 1.8693,
16.8192

■ 167.4746,
178.7733, 356.4446

■ 0.4322, 0.5298,
9.9451

205.9548,

■ 0.0000, 0.0000,

219.6380, 422.2026

5.2574

249.9193,
266.2988, 495.5881

■ 0.0000, 0.0000,
2.3377

■ 0.0000, 0.0000,
0.7522

■ 31.3029, 33.7778,
98.6359

■ 31.3029, 33.7778,
98.6359

■ 30.4427, 32.2621,
98.3894

■ 33.6564, 37.5847,
99.2474

■ 36.7651, 41.9695,
99.9299

■ 40.7465, 46.9967,
100.6904

■ 45.6947, 52.7185,
101.5341

■ 51.6907, 59.1803,
102.4653

■ 58.8064, 66.4225,
103.4881

■ 67.1067, 74.4820,
104.6063

■ 76.6514, 83.3928,
105.8232

■ 87.4961, 93.1868,
107.1420

Harmonies

Analogous

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



24.5827, 33.7778, 85.8835



31.3029, 33.7778, 98.6359



39.3960, 33.7778, 90.0246

Triad

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



31.3029, 33.7778, 98.6359



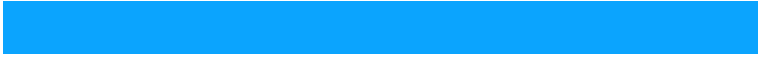
47.4491, 33.7778, 20.5390



21.0916, 33.7778, 17.9371

Complementary

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



31.3029, 33.7778, 98.6359



45.5952, 30.4173, 3.7869

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.



25.7737, 33.7778, 10.2083



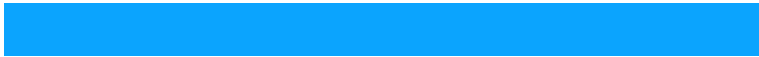
31.3029, 33.7778, 98.6359



41.0233, 33.7778, 11.2258

Square

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



31.3029, 33.7778, 98.6359



49.5626, 33.7778, 39.1432



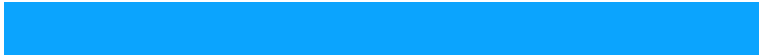
32.9203, 33.7778, 8.3743



19.3194, 33.7778, 34.5106

Rectangle

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



31.3029, 33.7778, 98.6359



44.3731, 33.7778, 74.6891



32.9203, 33.7778, 8.3743



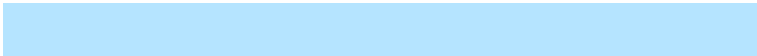
22.3359, 33.7778, 14.5228

Sweetspot

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



31.3042, 33.7789, 98.6368



64.7520, 72.3183, 105.1538



37.8886, 71.8789, 23.9713



13.1006, 14.7404, 22.4047



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.



31.3042, 33.7789, 98.6368



30.7123, 32.5447, 99.2708



18.9095, 8.9893, 94.5052



17.9561, 19.2838, 23.0257



16.1956, 17.3008, 51.9204



1.6816, 1.8938, 5.0902

Inverse Universe

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



47.6949, 23.9925, 37.2398



47.6314, 23.8165, 35.5865



66.9523, 73.1314, 10.9059



18.4905, 18.1795, 21.2000



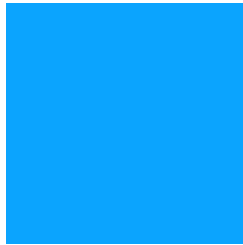
24.9630, 12.4745, 18.9874



2.4834, 1.2357, 2.1269

Previews

White Background



This preview shows how the XYZ color 31.3029, 33.7778, 98.6359 looks on a white background.

Color Contrast Check

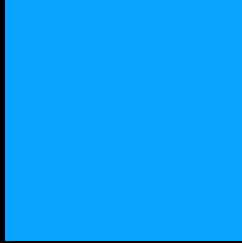
Large Text (above 18pt) WCAG AA × Fail

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 31.3029, 33.7778, 98.6359 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

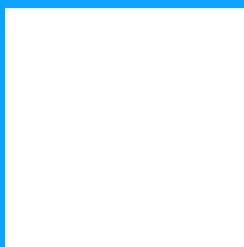
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3029, 33.7778, 98.6359

Background



This preview shows how black text looks on a background with the XYZ color 31.3029, 33.7778, 98.6359.



This preview shows how white text looks on a background with the XYZ color 31.3029, 33.7778,

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

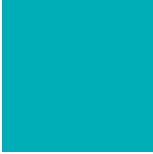
31.3029, 33.7778, 98.6359

Protanopia

35.7464, 33.4517, 90.1607

Deuteranopia

34.7231, 33.7136, 99.2850



Tritanopia

23.9990, 33.8173, 51.7169

Trichromacy



Original Color

31.3029, 33.7778, 98.6359

Protanomaly

32.4799, 32.6851, 93.4039

Deuteranomaly

32.7352, 33.4516, 99.3392

Tritanomaly

26.1827, 33.4784, 66.7100

Monochromacy



Original Color

31.3029, 33.7778, 98.6359

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.1507, 24.3804, 43.6355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3029, 33.7778, 98.6359 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(11, 164, 254)` looks like.

```
.text, #text, p{  
    color:rgb(11, 164, 254)  
}
```

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(11, 164, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 164, 254) }
```

Border

The CSS property to change the border of an element to XYZ 31.3029, 33.7778, 98.6359 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(11, 164, 254) }
```


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

```
.border{ border-color:rgb(11, 164, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 164, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 164, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 164, 254);  
box-shadow:4px 4px 4px 4px rgb(11, 164,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3029, 33.7778, 98.6359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 164, 254) }
```

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

```
.background{ background-color: rgb(11, 164,  
254) }
```

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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