

Converting Colors

XYZ(30.7397, 31.9829, 99.1609)

Have a look what the booklet for
XYZ(30.7397, 31.9829, 99.1609)
contains.

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Color

**XYZ(30.7029, 31.8933,
99.1456)**

Conversions

Conversions Part 1

Format	Color
Hex	1A9EFF
RGB	26, 158, 255
RGB Percent	10%, 62%, 100%
CMY	0.8979, 0.3804, 0.0000
CMYK	0.90, 0.38, 0.00, 0.00
HSL	205°, 100%, 55%
HSV	205°, 90%, 100%
XYZ	30.7029, 31.8933, 99.1456
YIQ	129.5900, -109.8090, 2.1830

Conversions

Conversions Part 2

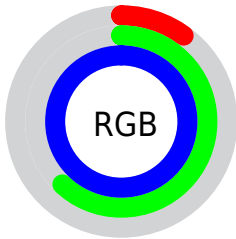
Format	Color
R _Y B	26, 110, 255
Decimal	1744639
CIE Lab	63.25, 1.46, -57.21
CIE LCh	63, 57.224, 271.458
Yxy	31.8933, 0.1898, 0.1972
Android (android.graphics.Color)	4279934719 (0xFF1A9EFF)
YUV	129.5900, 61.8271, -90.8484
Hunter-Lab	56.4742, -1.7859, -64.5572

Details

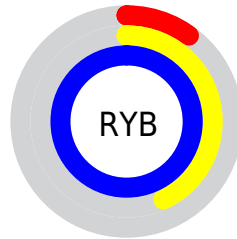
The XYZ color **30.7029, 31.8933, 99.1456** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **48.5146, 35.5103, 5.2768**, and the grayscale version is **20.8949, 21.9830, 23.9395**.

A 20% lighter version of the original color is **48.9296, 58.0889, 103.2412**, and **15.4507, 14.5926, 55.4284** is the 20% darker color. If you saturate the color by 10%, you get **28.5213, 28.1526, 98.5385**, and if you desaturate by 10%, it is **33.5941, 36.2410, 99.8324**.

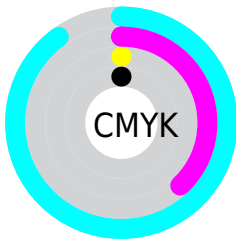
Distribution



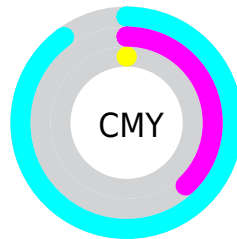
- Red (10%)
- Green (62%)
- Blue (100%)



- Red (10%)
- Yellow (43%)
- Blue (100%)



- Cyan (90%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7029, 31.8933, 99.1456 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 30.7029, 31.8933, 99.1456 by changing the saturation by 10% instead.

■ 30.7029, 31.8933,
99.1456

■ 30.7029, 31.8933,
99.1456

297.0186,
310.6329, 578.6732

■ 20.5234, 21.2800,
74.9743

■ 60.1510, 62.6438,
162.0242

■ 12.8866, 13.3288,
55.0902

■ 80.1504, 83.5498,
201.5685

■ 7.4269, 7.6554,
39.0749

■ 104.1538,
108.6554, 247.0742

■ 3.7792, 3.8752,
26.5097

■ 132.5266,
138.3452, 298.9600

■ 1.5780, 1.6040,
16.9762

■ 165.6341,
173.0034, 357.6442

■ 0.3780, 0.3603,
10.0557

203.8417,

■ 0.0000, 0.0000,

213.0145, 423.5454

5.3298

247.5148,
258.7629, 497.0822

■ 0.0000, 0.0000,
2.3800

■ 0.0000, 0.0000,
0.7755

■ 30.7029, 31.8933,
99.1456

■ 30.7029, 31.8933,
99.1456

■ 28.5213, 28.1526,
98.5385

■ 33.5941, 36.2410,
99.8324

■ 28.4790, 28.0779,
98.5263

■ 37.3558, 41.2836,
100.6074

■ 42.0933, 47.0813,
101.4768

■ 47.8945, 53.6851,
102.4457

■ 54.8365, 61.1401,
103.5188

■ 62.9890, 69.4874,
104.7003

■ 72.4155, 78.7647,
105.9941

■ 83.1747, 89.0073,
107.4041

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



23.6021, 31.8933, 88.8796



30.7029, 31.8933, 99.1456



38.9788, 31.8933, 86.8186

Triad

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



30.7029, 31.8933, 99.1456



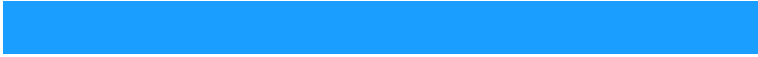
45.2533, 31.8933, 16.5718



18.8042, 31.8933, 17.7739

Complementary

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



30.7029, 31.8933, 99.1456



48.5146, 35.5103, 5.2768

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.



23.0384, 31.8933, 9.2224



30.7029, 31.8933, 99.1456



38.1903, 31.8933, 8.7713

Square

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



30.7029, 31.8933, 99.1456



48.2345, 31.8933, 33.6281



29.9277, 31.8933, 6.8234



17.4929, 31.8933, 35.8484

Rectangle

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



30.7029, 31.8933, 99.1456



43.8577, 31.8933, 69.6201



29.9277, 31.8933, 6.8234



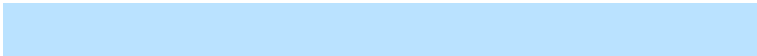
19.8916, 31.8933, 14.0189

Sweetspot

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



30.7041, 31.8942, 99.1457



65.4868, 71.9791, 105.0496



39.6652, 73.1314, 30.2561



13.3651, 14.7555, 22.3936



0.0000, 0.0000, 0.0000



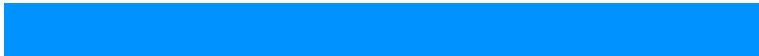
20.3446, 21.4041, 23.3091

Same Dimension

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



30.7041, 31.8942, 99.1457



28.4790, 28.0779, 98.5263



19.4200, 9.3261, 95.3843



17.8725, 19.1166, 22.9978



15.0320, 14.9735, 51.5325



1.5719, 1.6745, 5.0536

Inverse Universe

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



47.7819, 24.4692, 34.5529



46.5041, 23.3656, 29.6501



71.3993, 81.2796, 12.9050



18.4483, 18.1626, 20.9778



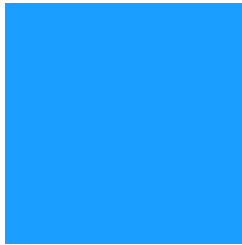
24.3756, 12.2395, 15.8945



2.4280, 1.2136, 1.8354

Previews

White Background



This preview shows how the XYZ color 30.7029, 31.8933, 99.1456 looks on a white background.

Color Contrast Check

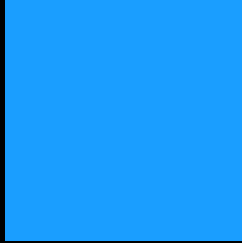
Large Text (above 18pt) WCAG AA × Fail

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 30.7029, 31.8933, 99.1456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

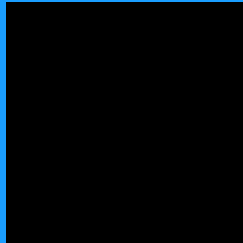
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

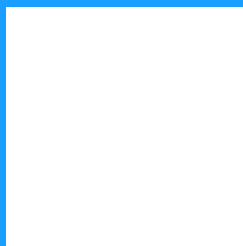
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7029, 31.8933, 99.1456

Background



This preview shows how black text looks on a background with the XYZ color 30.7029, 31.8933, 99.1456.



This preview shows how white text looks on a background with the XYZ color 30.7029, 31.8933,

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

30.7029, 31.8933, 99.1456

Protanopia

34.1921, 31.6594, 91.4975

Deuteranopia

32.8346, 31.7518, 99.0059



Tritanopia

22.5285, 31.7121, 48.6497

Trichromacy



Original Color

30.7029, 31.8933, 99.1456

Protanomaly

31.7205, 31.0454, 93.9430

Deuteranomaly

31.6958, 31.6548, 99.0472

Tritanomaly

24.9530, 31.5224, 64.4438

Monochromacy



Original Color

30.7029, 31.8933, 99.1456

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.5296, 24.1266, 44.0796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7029, 31.8933, 99.1456 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(26, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 158, 255)  
}
```

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(26, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 158, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.7029, 31.8933, 99.1456 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(26, 158, 255) }
```


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

```
.border{ border-color:rgb(26, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 158,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7029, 31.8933, 99.1456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 158, 255) }
```

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

```
.background{ background-color: rgb(26, 158,  
255) }
```

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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