

Converting Colors

XYZ(30.6273, 34.3050, 93.2872)

Have a look what the booklet for
XYZ(30.6273, 34.3050, 93.2872)
contains.

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Color

**XYZ(30.6072, 34.3528,
93.0133)**

Conversions

Conversions Part 1

Format	Color
Hex	00A7F7
RGB	0, 167, 247
RGB Percent	0%, 65%, 97%
CMY	0.9997, 0.3451, 0.0314
CMYK	1.00, 0.32, 0.00, 0.03
HSL	199°, 100%, 48%
HSV	199°, 100%, 97%
XYZ	30.6072, 34.3528, 93.0133
YIQ	126.1870, -125.2120, -10.5240

Conversions

Conversions Part 2

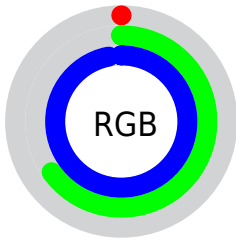
Format	Color
RYB	0, 100, 247
Decimal	42999
CIELab	65.24, -7.47, -49.70
CIELCh	65, 50.255, 261.457
Yxy	34.3528, 0.1937, 0.2175
Android (android.graphics.Color)	4278233079 (0xFF00A7F7)
YUV	126.1870, 59.5608, -110.6660
Hunter-Lab	58.6113, -9.3558, -53.0625

Details

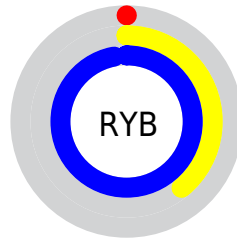
The XYZ color **30.6072, 34.3528, 93.0133** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **41.2323, 25.5220, 2.7551**, and the grayscale version is **19.7366, 20.7645, 22.6125**.

A 20% lighter version of the original color is **50.6017, 62.7775, 104.0580**, and **15.4250, 15.9792, 50.9865** is the 20% darker color. If you saturate the color by 10%, you get **30.6035, 34.3451, 93.0128**, and if you desaturate by 10%, it is **32.5146, 37.5806, 93.5365**.

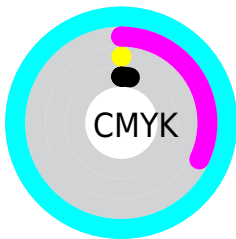
Distribution



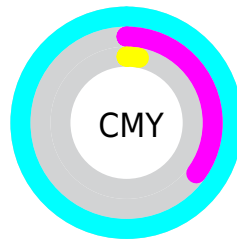
- Red (0%)
- Green (65%)
- Blue (97%)



- Red (0%)
- Yellow (39%)
- Blue (97%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (35%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6072, 34.3528, 93.0133 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 30.6072, 34.3528, 93.0133 by changing the saturation by 10% instead.

30.6072, 34.3528,
93.0133

30.6072, 34.3528,
93.0133

296.5839,
321.7023, 558.6061

20.4503, 23.1648,
69.8948

60.0012, 66.4819,
153.4889

12.8329, 14.7152,
50.9645

79.9689, 88.1918,
191.6831

7.3898, 8.6198,
35.8038

103.9377,
114.1778, 235.7396

3.7555, 4.4940,
23.9942

132.2728,
144.8242, 286.0770

1.5648, 1.9536,
15.1172

165.3396,
180.5154, 343.1138

0.3693, 0.5803,
8.7541

203.5035,

0.0000, 0.0000,

221.6359, 407.2686

4.4865

247.1298,
268.5701, 478.9598

■ 0.0000, 0.0000,
1.8959

■ 0.0000, 0.0000,
0.4901

■ 30.6072, 34.3528,
93.0133

■ 30.6072, 34.3528,
93.0133

■ 30.6035, 34.3451,
93.0128

■ 32.5146, 37.5806,
93.5365

■ 35.0128, 41.2496,
94.1131

■ 38.2584, 45.4433,
94.7515

■ 42.3460, 50.2125,
95.4566

■ 47.3548, 55.6004,
96.2326

■ 53.3547, 61.6451,
97.0831

■ 60.4081, 68.3809,
98.0115

■ 68.5721, 75.8392,
99.0208

■ 77.8995, 84.0494,
100.1139

Harmonies

Analogous

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



24.6520, 34.3528, 78.5556



30.6072, 34.3528, 93.0133



38.0682, 34.3528, 88.7778

Triad

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



30.6072, 34.3528, 93.0133



47.5598, 34.3528, 24.5256



22.8444, 34.3528, 17.5086

Complementary

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



30.6072, 34.3528, 93.0133



41.2323, 25.5220, 2.7551

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.



27.7743, 34.3528, 11.0539



30.6072, 34.3528, 93.0133



42.2172, 34.3528, 13.9254

Square

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



30.6072, 34.3528, 93.0133



48.6190, 34.3528, 43.7096



34.7845, 34.3528, 10.0464



20.6294, 34.3528, 31.7367

Rectangle

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



30.6072, 34.3528, 93.0133



42.8704, 34.3528, 76.4174



34.7845, 34.3528, 10.0464



24.2007, 34.3528, 14.6175

Sweetspot

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



30.6085, 34.3539, 93.0142



64.8820, 73.4581, 105.3669



34.6466, 67.0764, 18.3786



13.1723, 15.0491, 22.4605



0.0000, 0.0000, 0.0000



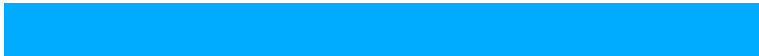
20.3446, 21.4041, 23.3091

Same Dimension

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



30.6085, 34.3539, 93.0142



32.8761, 36.8723, 99.9920



17.7410, 8.6188, 88.7250



16.5178, 17.7998, 21.1077



16.3195, 18.4329, 49.2358



1.5274, 1.8062, 4.3584

Inverse Universe

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



45.3341, 22.5659, 38.5262



48.7236, 24.2534, 41.3379



59.4158, 61.8891, 8.8163



16.9719, 16.6716, 19.5987



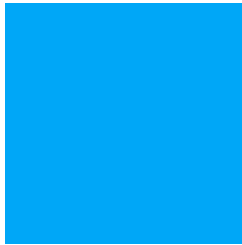
24.0419, 11.9602, 20.7266



2.1600, 1.0700, 2.0690

Previews

White Background



This preview shows how the XYZ color 30.6072, 34.3528, 93.0133 looks on a white background.

Color Contrast Check

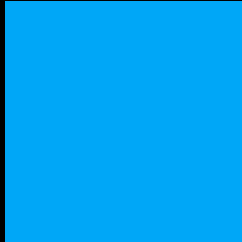
Large Text (above 18pt) WCAG AA × Fail

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 30.6072, 34.3528, 93.0133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

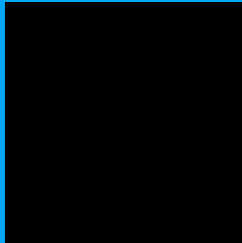
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

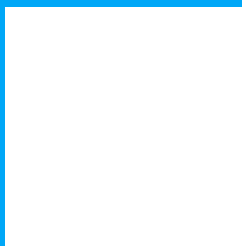
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6072, 34.3528, 93.0133

Background



This preview shows how black text looks on a background with the XYZ color 30.6072, 34.3528, 93.0133.

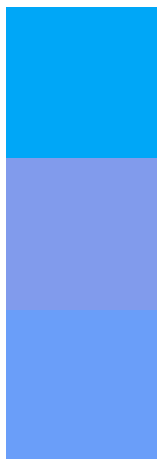


This preview shows how white text looks on a background with the XYZ color 30.6072, 34.3528,

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

30.6072, 34.3528, 93.0133

Protanopia

35.9149, 34.1659, 84.0586

Deuteranopia

35.2696, 34.3574, 94.3953



Tritanopia

24.4071, 34.2908, 52.9093

Trichromacy



Original Color

30.6072, 34.3528, 93.0133

Protanomaly

31.6060, 32.8814, 87.1190

Deuteranomaly

32.0029, 33.4603, 93.5787

Tritanomaly

26.2611, 34.1085, 65.5211

Monochromacy



Original Color

30.6072, 34.3528, 93.0133

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0888, 23.6575, 41.5378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6072, 34.3528, 93.0133 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, 167, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 247)  
}
```

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, 167, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 247) }
```

Border

The CSS property to change the border of an element to XYZ 30.6072, 34.3528, 93.0133 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, 167, 247) }
```


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

```
.border{ border-color:rgb(0, 167, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6072, 34.3528, 93.0133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 247) }
```

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

```
.background{ background-color: rgb(0, 167,  
247) }
```

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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