

Converting Colors

XYZ(33.6171, 38.3071,
100.2299)

Have a look what the booklet for
XYZ(33.6171, 38.3071, 100.2299)
contains.

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Color

**XYZ(33.6129, 38.2900,
100.2269)**

Conversions

Conversions Part 1

Format	Color
Hex	03B0FF
RGB	3, 176, 255
RGB Percent	1%, 69%, 100%
CMY	0.9879, 0.3098, 0.0000
CMYK	0.99, 0.31, 0.00, 0.00
HSL	199°, 100%, 51%
HSV	199°, 99%, 100%
XYZ	33.6129, 38.2900, 100.2269
YIQ	133.2790, -128.4670, -12.1070

Conversions

Conversions Part 2

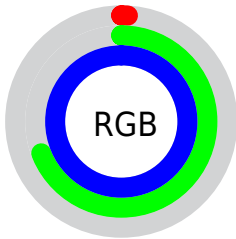
Format	Color
R _Y B	3, 106, 255
Decimal	241919
CIE Lab	68.23, -9.49, -49.32
CIE LCh	68, 50.228, 259.106
Yxy	38.2900, 0.1953, 0.2224
Android (android.graphics.Color)	4278431999 (0xFF03B0FF)
YUV	133.2790, 60.0085, -114.2547
Hunter-Lab	61.8789, -11.3261, -52.7183

Details

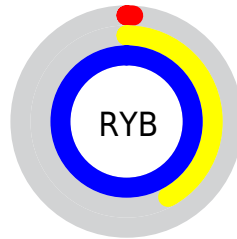
The XYZ color **33.6129, 38.2900, 100.2269** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **44.2800, 27.3129, 3.0265**, and the grayscale version is **22.2266, 23.3841, 25.4653**.

A 20% lighter version of the original color is **53.4360, 67.8825, 104.8940**, and **17.4007, 18.4925, 56.0784** is the 20% darker color. If you saturate the color by 10%, you get **33.3870, 37.8941, 100.1623**, and if you desaturate by 10%, it is **35.6849, 41.7553, 100.7865**.

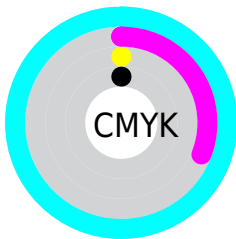
Distribution



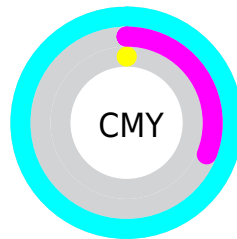
- Red (1%)
- Green (69%)
- Blue (100%)



- Red (1%)
- Yellow (42%)
- Blue (100%)



- Cyan (99%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (99%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6129, 38.2900, 100.2269 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 33.6129, 38.2900, 100.2269 by changing the saturation by 10% instead.

33.6129, 38.2900,
100.2269

33.6129, 38.2900,
100.2269

310.0189,
338.8624, 582.1728

22.7579, 26.2078,
75.8721

64.6795, 72.5524,
163.5236

14.5345, 16.9792,
55.8216

85.6218, 95.5015,
203.3025

8.5775, 10.2197,
39.6569

110.6573,
122.8416, 249.0599

4.5216, 5.5448,
26.9594

140.1512,
154.9572, 301.2143

2.0012, 2.5703,
17.3105

174.4690,
192.2327, 360.1843

0.6346, 0.9118,
10.2919

213.9759,

0.0000, 0.0000,

235.0525, 426.3883

5.4848

259.0375,
283.8009, 500.2450

■ 0.0000, 0.0000,
2.4707

■ 0.0000, 0.0000,
0.8246

■ 33.6129, 38.2900,
100.2269

■ 33.6129, 38.2900,
100.2269

■ 33.3870, 37.8941,
100.1623

■ 35.6849, 41.7553,
100.7865

■ 38.4239, 45.7033,
101.4042

■ 41.9749, 50.2115,
102.0872

■ 46.4377, 55.3335,
102.8407

■ 51.8966, 61.1150,
103.6689

■ 58.4258, 67.5963,
104.5758

■ 66.0920, 74.8137,
105.5648

■ 74.9561, 82.8008,
106.6393

■ 85.0747, 91.5885,
107.8022

Harmonies

Analogous

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



27.3740, 38.2900, 83.6830



33.6129, 38.2900, 100.2269



41.5644, 38.2900, 97.3774

Triad

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



33.6129, 38.2900, 100.2269



52.6123, 38.2900, 29.0752



26.1285, 38.2900, 19.3006

Complementary

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



33.6129, 38.2900, 100.2269



44.2800, 27.3129, 3.0265

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.



31.6703, 38.2900, 12.7199



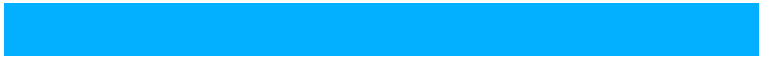
33.6129, 38.2900, 100.2269



47.2040, 38.2900, 16.7964

Square

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



33.6129, 38.2900, 100.2269



53.3312, 38.2900, 50.4126



39.3234, 38.2900, 12.0071



23.4854, 38.2900, 34.0387

Rectangle

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



33.6129, 38.2900, 100.2269



46.7758, 38.2900, 85.0716



39.3234, 38.2900, 12.0071



27.6738, 38.2900, 16.3274

Sweetspot

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



33.6142, 38.2912, 100.2270



65.1040, 73.9021, 105.4409



37.1973, 72.0994, 19.2875



13.2255, 15.1554, 22.4782



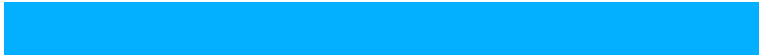
0.0000, 0.0000, 0.0000



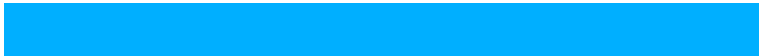
20.3446, 21.4041, 23.3091

Same Dimension

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



33.6142, 38.2912, 100.2270



33.3870, 37.8941, 100.1623



19.3828, 9.8285, 95.4832



18.0462, 19.4640, 23.0557



17.5851, 20.0798, 52.3835



1.8100, 2.1508, 5.1330

Inverse Universe

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



49.1101, 24.4615, 43.2083



48.9814, 24.3566, 42.6958



62.9964, 64.7458, 9.2653



18.5360, 18.1977, 21.4396



25.6643, 12.7550, 22.6807



2.5482, 1.2617, 2.4684

Previews

White Background



This preview shows how the XYZ color 33.6129, 38.2900, 100.2269 looks on a white background.

Color Contrast Check

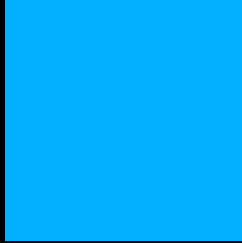
Large Text (above 18pt) WCAG AA × Fail

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 33.6129, 38.2900, 100.2269 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

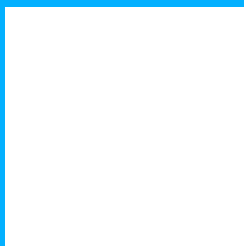
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6129, 38.2900, 100.2269

Background



This preview shows how black text looks on a background with the XYZ color 33.6129, 38.2900, 100.2269.

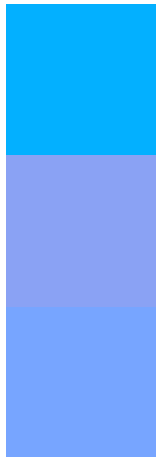


This preview shows how white text looks on a background with the XYZ color 33.6129, 38.2900,

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

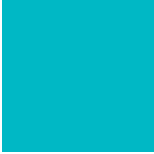
33.6129, 38.2900, 100.2269

Protanopia

39.7307, 37.7756, 90.7853

Deuteranopia

39.1129, 38.0522, 99.8911



Tritanopia

27.2185, 38.3122, 58.7838

Trichromacy



Original Color

33.6129, 38.2900, 100.2269

Protanomaly

34.8818, 36.5386, 94.0211

Deuteranomaly

35.2985, 37.1737, 99.9226

Tritanomaly

29.1913, 38.1162, 72.1483

Monochromacy



Original Color

33.6129, 38.2900, 100.2269

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.5210, 26.6477, 45.5515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6129, 38.2900, 100.2269 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(3, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(3, 176, 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(3, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.6129, 38.2900, 100.2269 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(3, 176, 255) }
```


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

```
.border{ border-color:rgb(3, 176, 255) }
```

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

Here you see how a box with a 4 pixel rgb(3, 176, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(3, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6129, 38.2900, 100.2269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 176, 255) }
```

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

```
.background{ background-color: rgb(3, 176,  
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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