

Converting Colors

XYZ(33.0591, 36.0379, 99.8213)

Have a look what the booklet for
XYZ(33.0591, 36.0379, 99.8213)
contains.

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Color

**XYZ(33.0373, 36.0080,
99.8167)**

Conversions

Conversions Part 1

Format	Color
Hex	26A9FF
RGB	38, 169, 255
RGB Percent	15%, 66%, 100%
CMY	0.8509, 0.3372, 0.0000
CMYK	0.85, 0.34, 0.00, 0.00
HSL	204°, 100%, 57%
HSV	204°, 85%, 100%
XYZ	33.0373, 36.0080, 99.8167
YIQ	139.6350, -105.6820, -1.0260

Conversions

Conversions Part 2

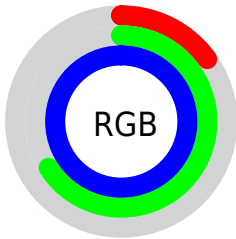
Format	Color
R _Y B	38, 120, 255
Decimal	2533887
CIE Lab	66.53, -4.16, -52.00
CIE LCh	67, 52.167, 265.424
Yxy	36.0080, 0.1956, 0.2132
Android (android.graphics.Color)	4280723967 (0xFF26A9FF)
YUV	139.6350, 56.8749, -89.1339
Hunter-Lab	60.0067, -6.7366, -56.6199

Details

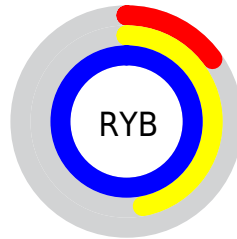
The XYZ color **33.0373, 36.0080, 99.8167** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **48.8010, 35.8216, 6.1781**, and the grayscale version is **24.6053, 25.8867, 28.1906**.

A 20% lighter version of the original color is **52.7317, 64.6689, 104.3108**, and **16.5543, 16.7998, 55.7963** is the 20% darker color. If you saturate the color by 10%, you get **30.5891, 32.0620, 99.1841**, and if you desaturate by 10%, it is **36.2755, 40.5779, 100.5281**.

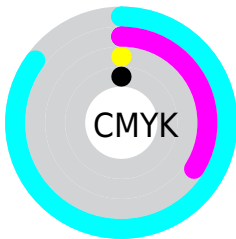
Distribution



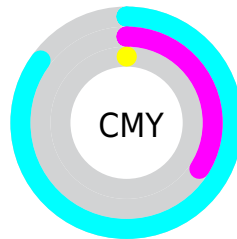
- Red (15%)
- Green (66%)
- Blue (100%)



- Red (15%)
- Yellow (47%)
- Blue (100%)



- Cyan (85%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (85%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0373, 36.0080, 99.8167 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 33.0373, 36.0080, 99.8167 by changing the saturation by 10% instead.

■ 33.0373, 36.0080,
99.8167

■ 33.0373, 36.0080,
99.8167

307.4798,
328.9955, 580.8465

■ 22.3144, 24.4404,
75.5314

■ 63.7880, 69.0444,
162.9549

■ 14.2060, 15.6606,
55.5440

■ 84.5466, 91.2820,
202.6450

■ 8.3467, 9.2843,
39.4359

■ 109.3811,
117.8450, 248.3071

■ 4.3713, 4.9271,
26.7886

■ 138.6568,
149.1179, 300.3597

■ 1.9142, 2.2045,
17.1835

■ 172.7392,
185.4849, 359.2214

■ 0.5851, 0.7225,
10.2020

211.9936,

■ 0.0000, 0.0000,

227.3306, 425.3107

5.4258

256.7854,
275.0394, 499.0463

■ 0.0000, 0.0000,
2.4361

■ 0.0000, 0.0000,
0.8060

■ 33.0373, 36.0080,
99.8167

■ 33.0373, 36.0080,
99.8167

■ 30.5891, 32.0620,
99.1841

■ 36.2755, 40.5779,
100.5281

■ 29.5940, 30.3080,
98.8980

■ 40.4163, 45.8332,
101.3243

■ 45.5558, 51.8283,
102.2106

■ 51.7756, 58.6098,
103.1917

■ 59.1485, 66.2194,
104.2719

■ 67.7402, 74.6953,
105.4551

■ 77.6113, 84.0727,
106.7448

■ 88.8183, 94.3847,
108.1446

■ 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.



26.3709, 36.0080, 86.5111



33.0373, 36.0080, 99.8167



41.1046, 36.0080, 92.4739

Triad

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



33.0373, 36.0080, 99.8167



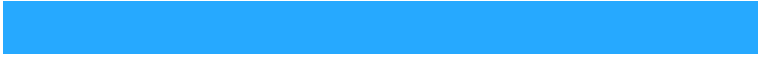
49.7045, 36.0080, 23.4540



23.2633, 36.0080, 19.4729

Complementary

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



33.0373, 36.0080, 99.8167



48.8010, 35.8216, 6.1781

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.



28.1585, 36.0080, 11.7324



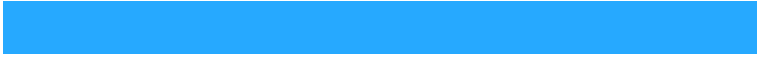
33.0373, 36.0080, 99.8167



43.5005, 36.0080, 13.3398

Square

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



33.0373, 36.0080, 99.8167



51.5352, 36.0080, 42.7484



35.4399, 36.0080, 10.0166



21.3023, 36.0080, 35.8660

Rectangle

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



33.0373, 36.0080, 99.8167



46.1099, 36.0080, 77.9292



35.4399, 36.0080, 10.0166



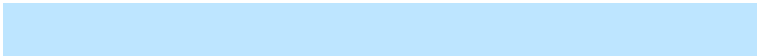
24.5801, 36.0080, 16.0605

Sweetspot

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



33.0386, 36.0091, 99.8169



66.9043, 73.8853, 105.3428



40.0237, 73.3179, 30.1957



13.6615, 15.1706, 22.4581



0.0000, 0.0000, 0.0000



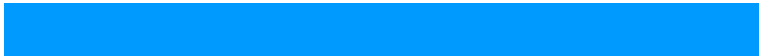
20.3446, 21.4041, 23.3091

Same Dimension

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



33.0386, 36.0091, 99.8169



29.5940, 30.3080, 98.8980



20.6467, 11.2253, 95.6862



17.9153, 19.2023, 23.0121



15.6134, 16.1364, 51.7263



1.6270, 1.7846, 5.0720

Inverse Universe

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



49.0955, 25.5125, 39.8737



47.0669, 23.5908, 32.6140



69.7999, 77.8193, 13.1777



18.4699, 18.1713, 21.0917



24.6691, 12.3569, 17.4399



2.4558, 1.2247, 1.9818

Previews

White Background



This preview shows how the XYZ color 33.0373, 36.0080, 99.8167 looks on a white background.

Color Contrast Check

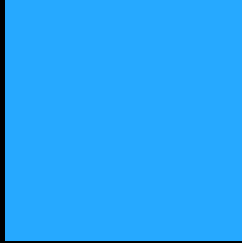
Large Text (above 18pt) WCAG AA × Fail

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 33.0373, 36.0080, 99.8167 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

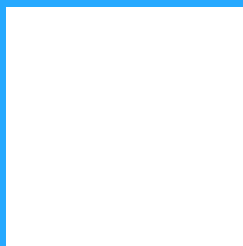
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0373, 36.0080, 99.8167

Background



This preview shows how black text looks on a background with the XYZ color 33.0373, 36.0080, 99.8167.

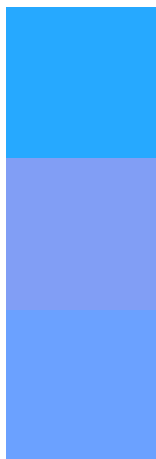


This preview shows how white text looks on a background with the XYZ color 33.0373, 36.0080,

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

33.0373, 36.0080, 99.8167

Protanopia

37.7616, 35.7134, 91.2893

Deuteranopia

36.8583, 35.8355, 99.5821



Tritanopia

25.6345, 36.0460, 55.4757

Trichromacy



Original Color

33.0373, 36.0080, 99.8167

Protanomaly

34.8431, 35.1670, 94.5740

Deuteranomaly

34.8051, 35.5648, 99.6380

Tritanomaly

27.7768, 35.6596, 69.7090

Monochromacy



Original Color

33.0373, 36.0080, 99.8167

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.1036, 28.3942, 48.4135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0373, 36.0080, 99.8167 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(38, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(38, 169, 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(38, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 169, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.0373, 36.0080, 99.8167 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(38, 169, 255) }
```


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

```
.border{ border-color:rgb(38, 169, 255) }
```

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

Here you see how a box with a 4 pixel rgb(38, 169, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(38, 169,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0373, 36.0080, 99.8167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 169, 255) }
```

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

```
.background{ background-color: rgb(38, 169,  
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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