

Converting Colors

XYZ(34.4356, 37.9646,
100.1207)

Have a look what the booklet for
XYZ(34.4356, 37.9646, 100.1207)
contains.

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Color

**XYZ(34.3588, 37.8109,
100.0951)**

Conversions

Conversions Part 1

Format	Color
Hex	33ADFF
RGB	51, 173, 255
RGB Percent	20%, 68%, 100%
CMY	0.7999, 0.3216, 0.0000
CMYK	0.80, 0.32, 0.00, 0.00
HSL	204°, 100%, 60%
HSV	204°, 80%, 100%
XYZ	34.3588, 37.8109, 100.0951
YIQ	145.8700, -99.0340, -0.3620

Conversions

Conversions Part 2

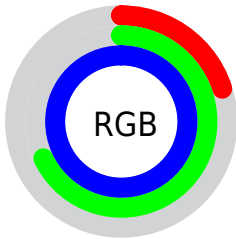
Format	Color
R _Y B	51, 127, 255
Decimal	3386879
CIE Lab	67.88, -5.38, -49.85
CIE LCh	68, 50.134, 263.844
Yxy	37.8109, 0.1995, 0.2195
Android (android.graphics.Color)	4281576959 (0xFF33ADFF)
YUV	145.8700, 53.8011, -83.2010
Hunter-Lab	61.4906, -7.8689, -53.4696

Details

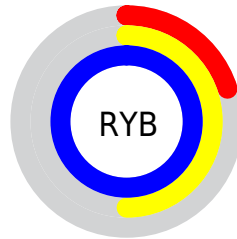
The XYZ color **34.3588, 37.8109, 100.0951** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **50.2279, 38.2790, 7.8754**, and the grayscale version is **27.0869, 28.4975, 31.0338**.

A 20% lighter version of the original color is **54.6955, 67.2960, 104.7144**, and **17.0304, 17.7520, 55.9550** is the 20% darker color. If you saturate the color by 10%, you get **31.5168, 33.5393, 99.4204**, and if you desaturate by 10%, it is **38.0575, 42.7490, 100.8533**.

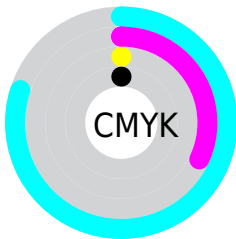
Distribution



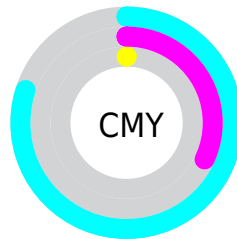
- Red (20%)
- Green (68%)
- Blue (100%)



- Red (20%)
- Yellow (50%)
- Blue (100%)



- Cyan (80%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3588, 37.8109, 100.0951 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 34.3588, 37.8109, 100.0951 by changing the saturation by 10% instead.

■ 34.3588, 37.8109,
100.0951

■ 34.3588, 37.8109,
100.0951

313.2868,
336.8081, 581.7468

■ 23.3336, 25.8360,
75.7626

■ 65.8318, 71.8182,
163.3409

■ 14.9621, 16.7010,
55.7324

■ 87.0104, 94.6194,
203.0913

■ 8.8789, 10.0215,
39.5859

■ 112.3040,
121.7980, 248.8181

■ 4.7188, 5.4132,
26.9045

■ 142.0782,
153.7386, 300.9398

■ 2.1163, 2.4917,
17.2697

176.6982,
190.8255, 359.8750

■ 0.6980, 0.8725,
10.2630

216.5294,

■ 0.0000, 0.0000,

233.4431, 426.0422

5.4658

261.9371,
281.9759, 499.8600

■ 0.0000, 0.0000,
2.4596

■ 0.0000, 0.0000,
0.8186

■ 34.3588, 37.8109,
100.0951

■ 34.3588, 37.8109,
100.0951

■ 31.5168, 33.5393,
99.4204

■ 38.0575, 42.7490,
100.8533

■ 29.3598, 29.8393,
98.8199

■ 42.7130, 48.4087,
101.7003

■ 29.3583, 29.8367,
98.8194

■ 48.4143, 54.8408,
102.6414

■ 55.2382, 62.0896,
103.6809

■ 63.2538, 70.1952,
104.8229

■ 72.5242, 79.1943,
106.0713

■ 83.1079, 89.1213,
107.4296

■ 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.



27.8199, 37.8109, 86.3182



34.3588, 37.8109, 100.0951



42.3268, 37.8109, 94.0594

Triad

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



34.3588, 37.8109, 100.0951



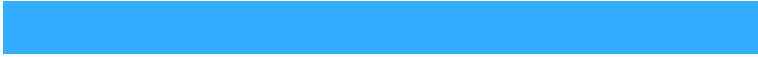
51.4195, 37.8109, 26.1736



25.1683, 37.8109, 20.7235

Complementary

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



34.3588, 37.8109, 100.0951



50.2279, 38.2790, 7.8754

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.



30.2270, 37.8109, 13.1132



34.3588, 37.8109, 100.0951



45.4995, 37.8109, 15.3731

Square

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



34.3588, 37.8109, 100.0951



52.9451, 37.8109, 45.9334



37.5651, 37.8109, 11.5873



23.0295, 37.8109, 36.7472

Rectangle

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



34.3588, 37.8109, 100.0951



47.3205, 37.8109, 80.4127



37.5651, 37.8109, 11.5873



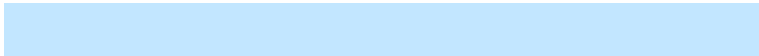
26.5452, 37.8109, 17.3673

Sweetspot

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



34.3601, 37.8121, 100.0952



68.6546, 75.4784, 105.5580



41.3330, 73.9070, 34.1368



13.9958, 15.4747, 22.4992



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.



34.3601, 37.8121, 100.0952



30.1659, 31.2622, 99.0520



21.6961, 12.4840, 95.8739



17.9065, 19.1845, 23.0092



15.4906, 15.8907, 51.6854



1.6154, 1.7614, 5.0681

Inverse Universe

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



49.9676, 26.6465, 42.0457



47.4018, 23.9019, 33.8315



71.4324, 80.6881, 14.9436



18.4654, 18.1695, 21.0681



24.6071, 12.3321, 17.1135



2.4500, 1.2224, 1.9510

Previews

White Background



This preview shows how the XYZ color 34.3588, 37.8109, 100.0951 looks on a white background.

Color Contrast Check

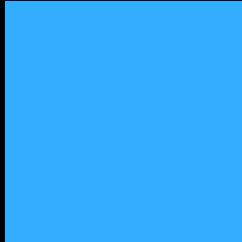
Large Text (above 18pt) WCAG AA × Fail

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 34.3588, 37.8109, 100.0951 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

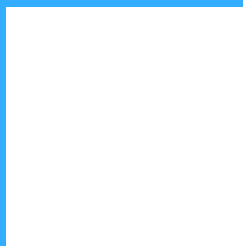
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.3588, 37.8109, 100.0951

Background



This preview shows how black text looks on a background with the XYZ color 34.3588, 37.8109, 100.0951.



This preview shows how white text looks on a background with the XYZ color 34.3588, 37.8109,

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

34.3588, 37.8109, 100.0951

Protanopia

39.3796, 37.3166, 91.5135

Deuteranopia

38.5279, 37.4839, 99.8122



Tritanopia

27.0115, 37.8982, 58.7147

Trichromacy



Original Color

34.3588, 37.8109, 100.0951

Protanomaly

36.3797, 36.7531, 94.7992

Deuteranomaly

36.2823, 37.1327, 99.8628

Tritanomaly

29.0435, 37.4406, 72.0257

Monochromacy



Original Color

34.3588, 37.8109, 100.0951

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.3069, 30.7016, 50.9411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3588, 37.8109, 100.0951 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(51, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 173, 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(51, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 173, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.3588, 37.8109, 100.0951 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(51, 173, 255) }
```


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

```
.border{ border-color:rgb(51, 173, 255) }
```

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

Here you see how a box with a 4 pixel rgb(51, 173, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 173,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3588, 37.8109, 100.0951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 173, 255) }
```

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

```
.background{ background-color: rgb(51, 173,  
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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