

Converting Colors

XYZ(34.5466, 38.1863,
100.1576)

Have a look what the booklet for
XYZ(34.5466, 38.1863, 100.1576)
contains.

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Color

**XYZ(34.5513, 38.1959,
100.1592)**

Conversions

Conversions Part 1

Format	Color
Hex	33AEFF
RGB	51, 174, 255
RGB Percent	20%, 68%, 100%
CMY	0.7999, 0.3176, 0.0000
CMYK	0.80, 0.32, 0.00, 0.00
HSL	204°, 100%, 60%
HSV	204°, 80%, 100%
XYZ	34.5513, 38.1959, 100.1592
YIQ	146.4570, -99.3090, -0.8850

Conversions

Conversions Part 2

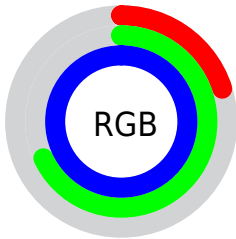
Format	Color
R _Y B	51, 128, 255
Decimal	3387135
CIE Lab	68.16, -5.93, -49.40
CIE LCh	68, 49.753, 263.149
Yxy	38.1959, 0.1998, 0.2209
Android (android.graphics.Color)	4281577215 (0xFF33AEFF)
YUV	146.4570, 53.5117, -83.7158
Hunter-Lab	61.8028, -8.3633, -52.8249

Details

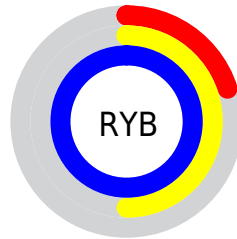
The XYZ color **34.5513, 38.1959, 100.1592** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **50.0916, 38.0065, 7.8301**, and the grayscale version is **27.3281, 28.7513, 31.3102**.

A 20% lighter version of the original color is **54.9714, 67.8478, 104.8064**, and **17.1526, 17.9963, 55.9957** is the 20% darker color. If you saturate the color by 10%, you get **31.7171, 33.9399, 99.4871**, and if you desaturate by 10%, it is **38.2389, 43.1118, 100.9138**.

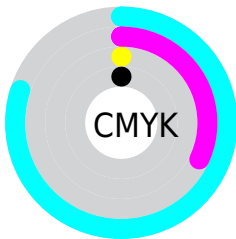
Distribution



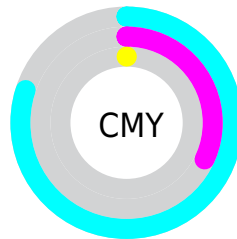
- Red (20%)
- Green (68%)
- Blue (100%)



- 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 34.5513, 38.1959, 100.1592 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 34.5513, 38.1959, 100.1592 by changing the saturation by 10% instead.

■ 34.5513, 38.1959,
100.1592

■ 34.5513, 38.1959,
100.1592

314.1262,
338.4596, 581.9540

■ 23.4823, 26.1348,
75.8159

■ 66.1287, 72.4083,
163.4297

■ 15.0727, 16.9245,
55.7758

■ 87.3678, 95.3284,
203.1940

■ 8.9571, 10.1807,
39.6204

■ 112.7277,
122.6369, 248.9357

■ 4.7701, 5.5189,
26.9312

■ 142.5737,
154.7182, 301.0733

■ 2.1464, 2.5548,
17.2896

177.2712,
191.9567, 360.0254

■ 0.7142, 0.9040,
10.2770

217.1856,

■ 0.0000, 0.0000,

234.7369, 426.2105

5.4750

262.6821,
283.4430, 500.0472

■ 0.0000, 0.0000,
2.4650

■ 0.0000, 0.0000,
0.8215

■ 34.5513, 38.1959,
100.1592

■ 34.5513, 38.1959,
100.1592

■ 31.7171, 33.9399,
99.4871

■ 38.2389, 43.1118,
100.9138

■ 29.5647, 30.2490,
98.8882

■ 42.8799, 48.7423,
101.7559

■ 29.5632, 30.2463,
98.8877

■ 48.5630, 55.1381,
102.6909

■ 55.3650, 62.3432,
103.7231

■ 63.3549, 70.3973,
104.8566

■ 72.5957, 79.3372,
106.0952

■ 83.1457, 89.1969,
107.4422

■ 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.



28.0626, 38.1959, 86.0693



34.5513, 38.1959, 100.1592



42.4983, 38.1959, 94.6250

Triad

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



34.5513, 38.1959, 100.1592



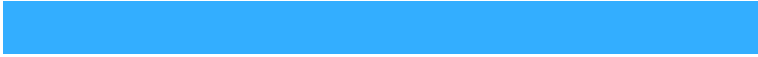
51.8427, 38.1959, 26.9369



25.6155, 38.1959, 20.8475

Complementary

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



34.5513, 38.1959, 100.1592



50.0916, 38.0065, 7.8301

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.



30.7430, 38.1959, 13.3526



34.5513, 38.1959, 100.1592



46.0191, 38.1959, 15.8909

Square

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



34.5513, 38.1959, 100.1592



53.2450, 38.1959, 46.9032



38.1151, 38.1959, 11.9343



23.4018, 38.1959, 36.6919

Rectangle

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



34.5513, 38.1959, 100.1592



47.5072, 38.1959, 81.2559



38.1151, 38.1959, 11.9343



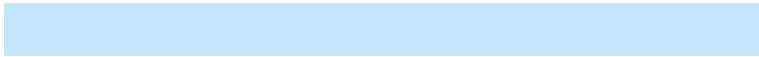
27.0171, 38.1959, 17.5353

Sweetspot

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



34.5526, 38.1971, 100.1594



68.7384, 75.6459, 105.5860



41.1028, 73.8149, 32.9242



14.0160, 15.5151, 22.5059



0.0000, 0.0000, 0.0000



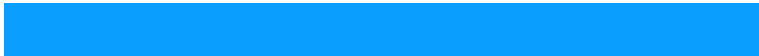
20.3446, 21.4041, 23.3091

Same Dimension

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



34.5526, 38.1971, 100.1594



30.3692, 31.6690, 99.1198



21.9199, 12.9317, 95.9485



17.9142, 19.2000, 23.0117



15.5973, 16.1042, 51.7209



1.6254, 1.7816, 5.0715

Inverse Universe

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



50.0648, 26.6854, 42.5574



47.5045, 23.9429, 34.3721



70.4705, 78.7643, 14.6230



18.4693, 18.1710, 21.0886



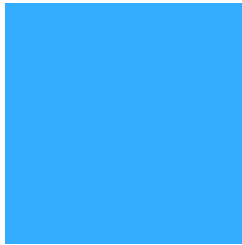
24.6610, 12.3537, 17.3972



2.4551, 1.2244, 1.9777

Previews

White Background



This preview shows how the XYZ color 34.5513, 38.1959, 100.1592 looks on a white background.

Color Contrast Check

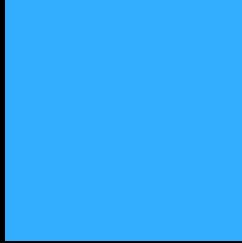
Large Text (above 18pt) WCAG AA × Fail

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 34.5513, 38.1959, 100.1592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

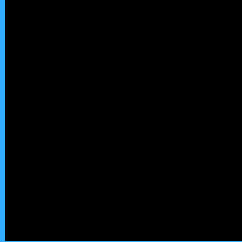
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

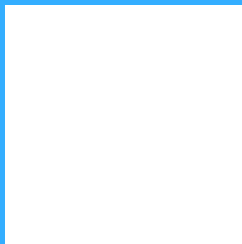
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5513, 38.1959, 100.1592

Background



This preview shows how black text looks on a background with the XYZ color 34.5513, 38.1959, 100.1592.



This preview shows how white text looks on a background with the XYZ color 34.5513, 38.1959,

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

34.5513, 38.1959, 100.1592

Protanopia

39.7183, 37.7516, 91.5796

Deuteranopia

38.9763, 37.9818, 99.8847



Tritanopia

27.0115, 37.8982, 58.7147

Trichromacy



Original Color

34.5513, 38.1959, 100.1592

Protanomaly

36.6790, 37.1762, 94.8651

Deuteranomaly

36.6687, 37.6049, 99.9336

Tritanomaly

29.2447, 37.8429, 72.0927

Monochromacy



Original Color

34.5513, 38.1959, 100.1592

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 34.5513, 38.1959, 100.1592 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, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 174, 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, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 174, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.5513, 38.1959, 100.1592 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, 174, 255) }
```


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

```
.border{ border-color:rgb(51, 174, 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, 174, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 174,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5513, 38.1959, 100.1592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 174, 255) }
```

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

```
.background{ background-color: rgb(51, 174,  
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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