

Converting Colors

XYZ(38.7311, 40.7494,
120.3714)

Have a look what the booklet for
XYZ(38.7311, 40.7494, 120.3714)
contains.

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Color

**XYZ(34.9444, 39.2686,
100.3456)**

Conversions

Conversions Part 1

Format	Color
Hex	2FB1FF
RGB	47, 177, 255
RGB Percent	18%, 69%, 100%
CMY	0.8156, 0.3059, 0.0000
CMYK	0.82, 0.31, 0.00, 0.00
HSL	203°, 100%, 59%
HSV	203°, 82%, 100%
XYZ	34.9444, 39.2686, 100.3456
YIQ	147.0220, -102.5180, -3.3020

Conversions

Conversions Part 2

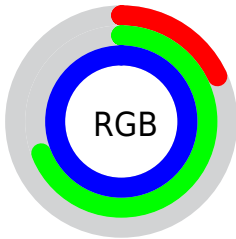
Format	Color
R _Y B	47, 127, 255
Decimal	3125759
CIE Lab	68.95, -7.95, -48.17
CIE LCh	69, 48.824, 260.627
Yxy	39.2686, 0.2002, 0.2250
Android (android.graphics.Color)	4281315839 (0xFF2FB1FF)
YUV	147.0220, 53.2332, -87.7193
Hunter-Lab	62.6647, -10.1242, -51.0765

Details

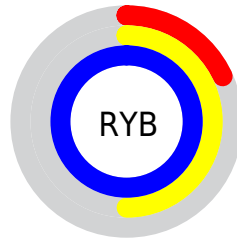
The XYZ color **34.9444, 39.2686, 100.3456** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **49.0894, 36.1372, 7.0793**, and the grayscale version is **27.5624, 28.9978, 31.5786**.

A 20% lighter version of the original color is **55.5108, 69.3688, 105.0715**, and **17.5267, 18.7444, 56.1204** is the 20% darker color. If you saturate the color by 10%, you get **32.2696, 35.1836, 99.6981**, and if you desaturate by 10%, it is **38.4396, 43.9742, 101.0696**.

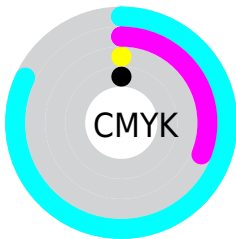
Distribution



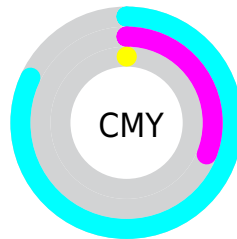
- Red (18%)
- Green (69%)
- Blue (100%)



- Red (18%)
- Yellow (50%)
- Blue (100%)



- Cyan (82%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (82%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9444, 39.2686, 100.3456 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 34.9444, 39.2686, 100.3456 by changing the saturation by 10% instead.

■ 34.9444, 39.2686,
100.3456

■ 34.9444, 39.2686,
100.3456

315.8352,
343.0311, 582.5563

■ 23.7864, 26.9687,
75.9707

■ 66.7342, 74.0485,
163.6881

■ 15.2991, 17.5498,
55.9020

■ 88.0967, 97.2973,
203.4927

■ 9.1172, 10.6272,
39.7209

■ 113.5914,
124.9645, 249.2776

■ 4.8755, 5.8168,
27.0088

■ 143.5836,
157.4346, 301.4615

■ 2.2084, 2.7340,
17.3474

178.4388,
195.0919, 360.4627

■ 0.7472, 0.9945,
10.3179

218.5222,

■ 0.0000, 0.0000,

238.3208, 426.6999

5.5019

264.1992,
287.5058, 500.5916

■ 0.0000, 0.0000,
2.4808

■ 0.0000, 0.0000,
0.8300

■ 34.9444, 39.2686,
100.3456

■ 34.9444, 39.2686,
100.3456

■ 32.2696, 35.1836,
99.6981

■ 38.4396, 43.9742,
101.0696

■ 30.5116, 32.1431,
99.2039

■ 42.8580, 49.3555,
101.8754

■ 48.2900, 55.4636,
102.7681

■ 54.8134, 62.3421,
103.7520

■ 62.4976, 70.0304,
104.8310

■ 71.4061, 78.5649,
106.0088

■ 81.5975, 87.9790,
107.2887

■ 93.1264, 98.3042,
108.6741

■ 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.



28.6306, 39.2686, 85.0630



34.9444, 39.2686, 100.3456



42.8345, 39.2686, 96.5613

Triad

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



34.9444, 39.2686, 100.3456



53.1139, 39.2686, 29.3926



26.9304, 39.2686, 20.9628

Complementary

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



34.9444, 39.2686, 100.3456



49.0894, 36.1372, 7.0793

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.



32.3069, 39.2686, 13.9245



34.9444, 39.2686, 100.3456



47.6191, 39.2686, 17.4879

Square

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



34.9444, 39.2686, 100.3456



54.0784, 39.2686, 50.1058



39.8085, 39.2686, 12.9222



24.4452, 39.2686, 36.1640

Rectangle

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



34.9444, 39.2686, 100.3456



47.9142, 39.2686, 84.1148



39.8085, 39.2686, 12.9222



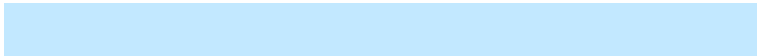
28.4213, 39.2686, 17.8215

Sweetspot

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



34.9457, 39.2698, 100.3457



69.1171, 76.4033, 105.7122



40.5259, 73.5619, 30.8936



14.1072, 15.6975, 22.5363



0.0000, 0.0000, 0.0000



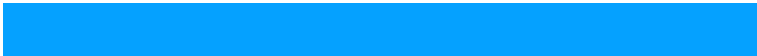
20.3446, 21.4041, 23.3091

Same Dimension

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



34.9457, 39.2698, 100.3457



30.9078, 32.8409, 99.3177



21.7224, 12.8232, 95.9380



17.9489, 19.2694, 23.0233



16.0911, 17.0918, 51.8855



1.6718, 1.8743, 5.0869

Inverse Universe

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



50.1933, 26.4690, 44.0595



47.7532, 23.9538, 35.9549



69.2963, 76.5510, 13.8149



18.4869, 18.1781, 21.1810



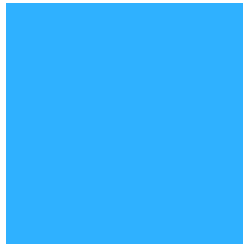
24.9103, 12.4534, 18.7097



2.4785, 1.2338, 2.1009

Previews

White Background



This preview shows how the XYZ color 34.9444, 39.2686, 100.3456 looks on a white background.

Color Contrast Check

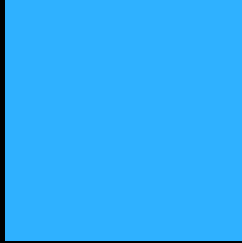
Large Text (above 18pt) WCAG AA × Fail

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 34.9444, 39.2686, 100.3456 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

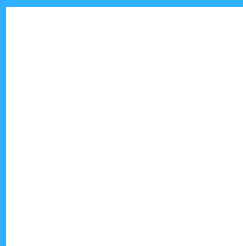
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9444, 39.2686, 100.3456

Background



This preview shows how black text looks on a background with the XYZ color 34.9444, 39.2686, 100.3456.

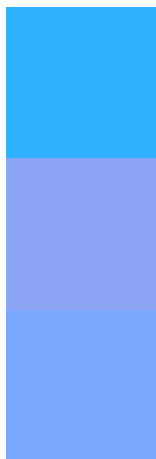


This preview shows how white text looks on a background with the XYZ color 34.9444, 39.2686,

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

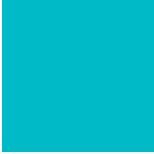
34.9444, 39.2686, 100.3456

Protanopia

40.4198, 38.6580, 90.9193

Deuteranopia

40.0371, 39.0684, 100.0385



Tritanopia

27.9842, 39.2879, 60.7520

Trichromacy



Original Color

34.9444, 39.2686, 100.3456

Protanomaly

37.0751, 38.2174, 94.2296

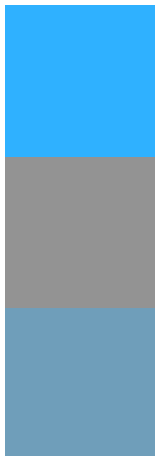
Deuteranomaly

37.3322, 38.7787, 100.1252

Tritanomaly

30.0829, 39.1535, 73.6820

Monochromacy



Original Color

34.9444, 39.2686, 100.3456

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.6453, 31.3784, 51.0539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9444, 39.2686, 100.3456 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(47, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(47, 177, 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(47, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 177, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.9444, 39.2686, 100.3456 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(47, 177, 255) }
```


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

```
.border{ border-color:rgb(47, 177, 255) }
```

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

Here you see how a box with a 4 pixel rgb(47, 177, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(47, 177,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9444, 39.2686, 100.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 177, 255) }
```

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

```
.background{ background-color: rgb(47, 177,  
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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