

# Converting Colors

XYZ(39.9974, 34.3505, 99.1300)

Have a look what the booklet for  
XYZ(39.9974, 34.3505, 99.1300)  
contains.

<b>XYZ(39.9676, 34.2394, 99.1101)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(39.9676, 34.2394,  
99.1101)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8F94FF
RGB	143, 148, 255
RGB Percent	56%, 58%, 100%
CMY	0.4392, 0.4196, 0.0000
CMYK	0.44, 0.42, 0.00, 0.00
HSL	237°, 100%, 78%
HSV	237°, 44%, 100%
XYZ	39.9676, 34.2394, 99.1101
YIQ	158.7030, -37.3270, 32.2170

# Conversions

## Conversions Part 2

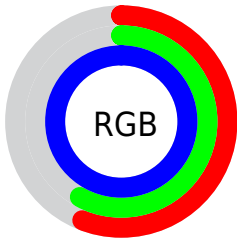
Format	Color
R <sub>Y</sub> B	143, 148, 255
Decimal	9409791
CIE Lab	65.15, 24.80, -53.91
CIE LCh	65, 59.341, 294.703
Yxy	34.2394, 0.2306, 0.1976
Android (android.graphics.Color)	4287599871 (0xFF8F94FF)
YUV	158.7030, 47.4744, -13.7715
Hunter-Lab	58.5144, 19.5220, -59.4636

# Details

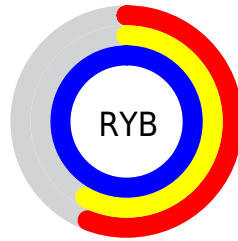
The XYZ color **39.9676, 34.2394, 99.1101** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.3849, 91.6165, 39.4357**, and the grayscale version is **32.6228, 34.3217, 37.3763**.

A 20% lighter version of the original color is **63.2579, 61.8786, 103.2174**, and **18.3070, 14.7439, 55.3070** is the 20% darker color. If you saturate the color by 10%, you get **32.6168, 25.3622, 97.7840**, and if you desaturate by 10%, it is **49.1282, 45.2443, 100.7514**.

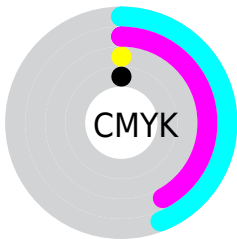
# Distribution



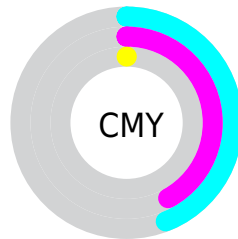
- Red (56%)
- Green (58%)
- Blue (100%)



- Red (56%)
- Yellow (58%)
- Blue (100%)



- Cyan (44%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (42%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9676, 34.2394, 99.1101 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 39.9676, 34.2394, 99.1101 by changing the saturation by 10% instead.



■ 39.9676, 34.2394,  
99.1101

■ 39.9676, 34.2394,  
99.1101

337.1238,  
321.1982, 578.5581

■ 27.6974, 23.0776,  
74.9448

■ 74.3988, 66.3058,  
161.9749

■ 18.2370, 14.6508,  
55.0662

■ 97.2905, 87.9791,  
201.5115

■ 11.2210, 8.5747,  
39.0558

124.4535,  
113.9251, 247.0090

■ 6.2840, 4.4648,  
26.4950

156.2530,  
144.5281, 298.8859

■ 3.0609, 1.9368,  
16.9652

193.0544,  
180.1725, 357.5607

■ 1.1860, 0.5704,  
10.0480

235.2231,

■ 0.0953, 0.0000,

221.2427, 423.4519

5.3248

283.1244,  
268.1232, 496.9782

■ 0.0000, 0.0000,  
2.3770

■ 0.0000, 0.0000,  
0.7739

■ 39.9676, 34.2394,  
99.1101

■ 39.9676, 34.2394,  
99.1101

■ 32.6168, 25.3622,  
97.7840

■ 49.1282, 45.2443,  
100.7514

■ 26.9523, 18.4719,  
96.7526

■ 60.2037, 58.4985,  
102.7260

■ 22.8413, 13.4165,  
95.9935

■ 73.2956, 74.1184,  
105.0509

■ 20.1290, 10.0203,  
95.4809

■ 88.4970, 92.2115,  
107.7420

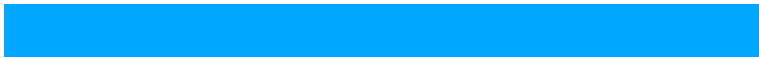
■ 18.6290, 8.0731, 95.0500, 100.0000,  
95.1842 108.9000

■ 18.1740, 7.4681,  
95.0913

# Harmonies

## Analogous

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



31.0383, 34.2394, 107.2658



39.9676, 34.2394, 99.1101



48.0194, 34.2394, 71.9540

# Triad

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



39.9676, 34.2394, 99.1101



43.0823, 34.2394, 10.4214



18.6807, 34.2394, 33.0711

# Complementary

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



39.9676, 34.2394, 99.1101



80.3849, 91.6165, 39.4357

# 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.



20.8110, 34.2394, 16.0408



39.9676, 34.2394, 99.1101



34.0966, 34.2394, 7.1877

# Square

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



39.9676, 34.2394, 99.1101



50.0285, 34.2394, 20.7635



26.1009, 34.2394, 8.6592



19.6966, 34.2394, 60.8254



# Rectangle

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



39.9676, 34.2394, 99.1101



51.2761, 34.2394, 51.2474



26.1009, 34.2394, 8.6592



19.0394, 34.2394, 26.1148

# Sweetspot

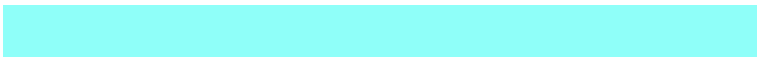
The Sweet Spot groups the original color and five complimentary colors.



39.9688, 34.2406, 99.1102



74.6040, 75.6773, 105.2829



64.2500, 84.2247, 102.8209



15.3025, 15.4047, 22.4168



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.



39.9688, 34.2406, 99.1102



33.2205, 26.0934, 97.8934



49.9684, 38.2570, 99.3584



17.0680, 17.5076, 22.7297



9.5241, 3.9578, 49.6965



0.9492, 0.4291, 4.8461



# Inverse Universe

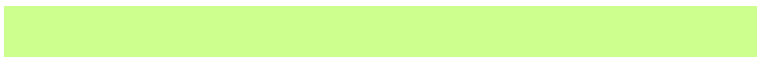
The Inverse Universe completely reimagines the original color for something new.



56.4087, 43.0447, 33.3532



51.6966, 36.1601, 23.9530



65.7856, 86.4260, 39.2033



18.0422, 18.0002, 18.8395



21.5955, 11.1275, 1.2546

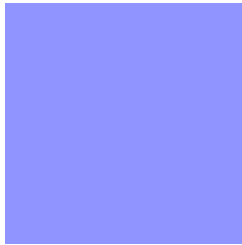


2.1137, 1.0879, 0.1803



# Previews

## White Background



This preview shows how the XYZ color 39.9676, 34.2394, 99.1101 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

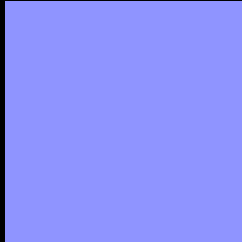
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.9676, 34.2394, 99.1101 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

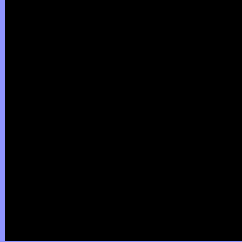
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 39.9676, 34.2394, 99.1101

## Background



This preview shows how black text looks on a background with the XYZ color 39.9676, 34.2394, 99.1101.



This preview shows how white text looks on a background with the XYZ color 39.9676, 34.2394,



# 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

39.9676, 34.2394, 99.1101

### Protanopia

37.2426, 34.5142, 99.3068

### Deuteranopia

35.5500, 34.4291, 97.7003



## Tritanopia

29.6594, 34.3356, 47.1837

# Trichromacy



## Original Color

39.9676, 34.2394, 99.1101

## Protanomaly

38.0306, 34.1885, 99.2024

## Deuteranomaly

36.9162, 34.1185, 98.4058

## Tritanomaly

32.7446, 33.9983, 63.2290

# Monochromacy



## Original Color

39.9676, 34.2394, 99.1101

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

34.5958, 34.1100, 55.7994

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.9676, 34.2394, 99.1101 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(143, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 148, 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(143, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 148, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 39.9676, 34.2394, 99.1101 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(143, 148, 255) }
```



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

```
.border{ border-color:rgb(143, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 148,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.9676, 34.2394, 99.1101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 148, 255) }
```

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

```
.background{ background-color: rgb(143,  
148, 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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