

Converting Colors

XYZ(39.5515, 34.9222,
102.5668)

Have a look what the booklet for
XYZ(39.5515, 34.9222, 102.5668)
contains.

XYZ(38.9511, 34.6630, 99.2454)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.9511, 34.6630,
99.2454)**

Conversions

Conversions Part 1

Format	Color
Hex	8598FF
RGB	133, 152, 255
RGB Percent	52%, 60%, 100%
CMY	0.4784, 0.4039, 0.0000
CMYK	0.48, 0.40, 0.00, 0.00
HSL	231°, 100%, 76%
HSV	231°, 48%, 100%
XYZ	38.9511, 34.6630, 99.2454
YIQ	158.0610, -44.3870, 28.0050

Conversions

Conversions Part 2

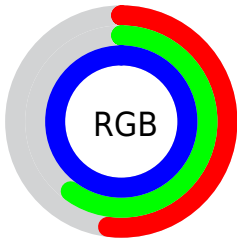
Format	Color
RYB	133, 149, 255
Decimal	8755455
CIELab	65.49, 20.16, -53.42
CIELCh	65, 57.101, 290.674
Yxy	34.6630, 0.2253, 0.2005
Android (android.graphics.Color)	4286945535 (0xFF8598FF)
YUV	158.0610, 47.7909, -21.9785
Hunter-Lab	58.8753, 15.0614, -58.7318

Details

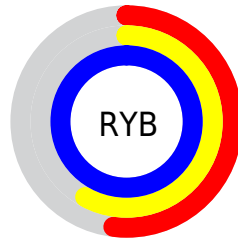
The XYZ color **38.9511, 34.6630, 99.2454** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.4705, 82.9466, 34.2249**, and the grayscale version is **32.3328, 34.0166, 37.0441**.

A 20% lighter version of the original color is **61.6072, 62.4390, 103.4126**, and **17.6708, 14.8404, 55.3592** is the 20% darker color. If you saturate the color by 10%, you get **32.2201, 26.4686, 98.0185**, and if you desaturate by 10%, it is **47.2959, 44.6318, 100.7298**.

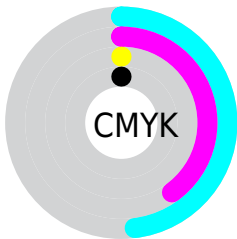
Distribution



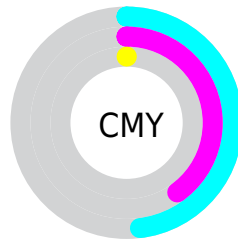
- Red (52%)
- Green (60%)
- Blue (100%)



- Red (52%)
- Yellow (58%)
- Blue (100%)



- Cyan (48%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9511, 34.6630, 99.2454 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 38.9511, 34.6630, 99.2454 by changing the saturation by 10% instead.

■ 38.9511, 34.6630,
99.2454

■ 38.9511, 34.6630,
99.2454

332.8933,
323.0783, 578.9966

■ 26.9022, 23.4034,
75.0571

■ 72.8582, 66.9634,
162.1626

■ 17.6360, 14.8917,
55.1577

■ 95.4471, 88.7729,
201.7287

■ 10.7871, 8.7434,
39.1285

■ 122.2800,
114.8679, 247.2577

■ 5.9901, 4.5742,
26.5511

153.7224,
145.6328, 299.1682

■ 2.8797, 1.9997,
17.0069

190.1396,
181.4518, 357.8789

■ 1.0904, 0.6073,
10.0774

231.8969,

■ 0.0171, 0.0000,

222.7095, 423.8081

5.3440

279.3597,
269.7902, 497.3745

■ 0.0000, 0.0000,
2.3883

■ 0.0000, 0.0000,
0.7800

■ 38.9511, 34.6630,
99.2454

■ 38.9511, 34.6630,
99.2454

■ 32.2201, 26.4686,
98.0185

■ 47.2959, 44.6318,
100.7298

■ 26.9928, 19.9393,
97.0337

■ 57.3472, 56.4684,
102.4847

■ 23.1511, 14.9591,
96.2749

■ 69.1951, 70.2637,
104.5230

■ 20.5568, 11.3944,
95.7236

■ 82.9220, 86.1016,
106.8565

■ 19.0329, 9.0835,
95.3579

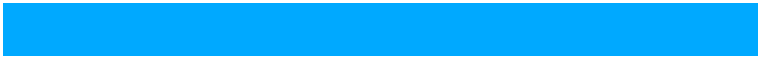
95.0500, 100.0000,
108.9000

■ 18.7990, 8.7179,
95.2997

Harmonies

Analogous

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



30.4103, 34.6630, 103.8005



38.9511, 34.6630, 99.2454



47.0048, 34.6630, 75.0623

Triad

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



38.9511, 34.6630, 99.2454



44.2144, 34.6630, 12.1629



19.4977, 34.6630, 30.7653

Complementary

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



38.9511, 34.6630, 99.2454



75.4705, 82.9466, 34.2249

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.



22.0139, 34.6630, 15.4452



38.9511, 34.6630, 99.2454



35.6192, 34.6630, 8.1090

Square

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



38.9511, 34.6630, 99.2454



50.3826, 34.6630, 23.7147



27.5924, 34.6630, 8.9836



20.0831, 34.6630, 56.4324

Rectangle

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



38.9511, 34.6630, 99.2454



50.5545, 34.6630, 55.1118



27.5924, 34.6630, 8.9836



19.9903, 34.6630, 24.4693

Sweetspot

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



38.9523, 34.6642, 99.2456



74.2409, 76.1009, 105.3838



60.3812, 82.4860, 91.0847



15.2765, 15.5789, 22.4518



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.



38.9523, 34.6642, 99.2456



32.7267, 27.0921, 98.1121



43.8205, 32.9575, 98.6596



17.2313, 17.8343, 22.7841



9.8903, 4.6901, 49.8186



1.0261, 0.5828, 4.8717

Inverse Universe

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



55.2960, 40.3037, 34.5716



50.9625, 34.0102, 25.8102



67.8235, 87.5602, 35.5185



18.1247, 18.0332, 19.2736



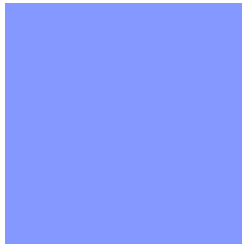
21.7803, 11.2014, 2.2278



2.1525, 1.1034, 0.3846

Previews

White Background



This preview shows how the XYZ color 38.9511, 34.6630, 99.2454 looks on a white background.

Color Contrast Check

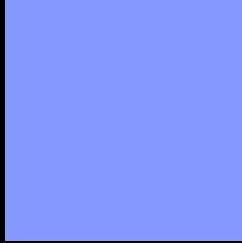
Large Text (above 18pt) WCAG AA × Fail

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 38.9511, 34.6630, 99.2454 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 38.9511, 34.6630, 99.2454

Background



This preview shows how black text looks on a background with the XYZ color 38.9511, 34.6630, 99.2454.



This preview shows how white text looks on a background with the XYZ color 38.9511, 34.6630,

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

38.9511, 34.6630, 99.2454

Protanopia

37.5171, 34.6558, 99.3196

Deuteranopia

35.8367, 34.8312, 97.7628



Tritanopia

28.8987, 34.7210, 48.8948

Trichromacy



Original Color

38.9511, 34.6630, 99.2454

Protanomaly

38.0630, 34.6912, 99.2977

Deuteranomaly

36.8481, 34.5775, 98.4980

Tritanomaly

31.9132, 34.3167, 64.6163

Monochromacy



Original Color

38.9511, 34.6630, 99.2454

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.9085, 34.0168, 55.2308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9511, 34.6630, 99.2454 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(133, 152, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 152, 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(133, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 152, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.9511, 34.6630, 99.2454 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(133, 152, 255) }
```


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

```
.border{ border-color:rgb(133, 152, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 152, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 152, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 152,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9511, 34.6630, 99.2454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 152, 255) }
```

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

```
.background{ background-color: rgb(133,  
152, 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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