

Converting Colors

XYZ(39.4571, 38.5667, 99.9722)

Have a look what the booklet for
XYZ(39.4571, 38.5667, 99.9722)
contains.

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Color

**XYZ(39.4319, 38.4855,
99.9579)**

Conversions

Conversions Part 1

Format	Color
Hex	78A6FF
RGB	120, 166, 255
RGB Percent	47%, 65%, 100%
CMY	0.5294, 0.3490, 0.0000
CMYK	0.53, 0.35, 0.00, 0.00
HSL	220°, 100%, 74%
HSV	220°, 53%, 100%
XYZ	39.4319, 38.4855, 99.9579
YIQ	162.3920, -55.9850, 17.9270

Conversions

Conversions Part 2

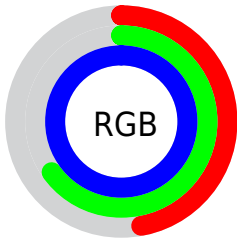
Format	Color
R _Y B	120, 154, 255
Decimal	7907071
CIE Lab	68.38, 9.22, -48.90
CIE LCh	68, 49.763, 280.676
Yxy	38.4855, 0.2217, 0.2164
Android (android.graphics.Color)	4286097151 (0xFF78A6FF)
YUV	162.3920, 45.6557, -37.1778
Hunter-Lab	62.0367, 4.8944, -52.1066

Details

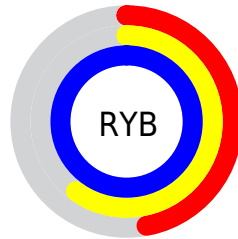
The XYZ color **39.4319, 38.4855, 99.9579** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.4319, 68.2189, 27.3847**, and the grayscale version is **34.3390, 36.1273, 39.3426**.

A 20% lighter version of the original color is **62.4969, 68.5166, 104.5388**, and **18.0111, 17.2085, 55.7984** is the 20% darker color. If you saturate the color by 10%, you get **33.4958, 31.1819, 98.8610**, and if you desaturate by 10%, it is **46.7115, 47.0760, 101.2324**.

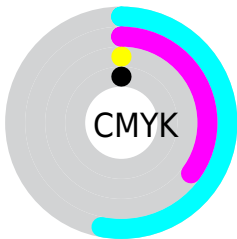
Distribution



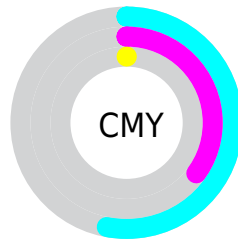
- Red (47%)
- Green (65%)
- Blue (100%)



- Red (47%)
- Yellow (60%)
- Blue (100%)



- Cyan (53%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4319, 38.4855, 99.9579 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 39.4319, 38.4855, 99.9579 by changing the saturation by 10% instead.

■ 39.4319, 38.4855,
99.9579

■ 39.4319, 38.4855,
99.9579

334.8989,
339.6981, 581.3032

■ 27.2781, 26.3597,
75.6487

■ 73.5875, 72.8517,
163.1507

■ 17.9199, 17.0929,
55.6396

■ 96.3200, 95.8609,
202.8714

■ 10.9918, 10.3008,
39.5120

■ 123.3095,
123.2666, 248.5663

■ 6.1286, 5.5988,
26.8473

154.9214,
155.4534, 300.6539

■ 2.9648, 2.6027,
17.2272

191.5208,
192.8055, 359.5529

■ 1.1352, 0.9280,
10.2329

233.4734,

■ 0.0543, 0.0000,

235.7074, 425.6818

5.4460

281.1443,
284.5435, 499.4590

■ 0.0000, 0.0000,
2.4480

■ 0.0000, 0.0000,
0.8124

■ 39.4319, 38.4855,
99.9579

■ 39.4319, 38.4855,
99.9579

■ 33.4958, 31.1819,
98.8610

■ 46.7115, 47.0760,
101.2324

■ 28.8075, 25.0911,
97.9325

■ 55.4135, 57.0137,
102.6919

■ 25.2633, 20.1360,
97.1629

■ 65.6147, 68.3595,
104.3442

■ 22.7384, 16.2263,
96.5413

■ 77.3852, 81.1689,
106.1963

■ 21.4490, 14.0179,
96.1830

■ 90.7905, 95.4944,
108.2548

■ 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.



31.8322, 38.4855, 96.9912



39.4319, 38.4855, 99.9579



47.2644, 38.4855, 83.7096

Triad

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



39.4319, 38.4855, 99.9579



49.1894, 38.4855, 19.6610



24.1610, 38.4855, 29.2241

Complementary

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



39.4319, 38.4855, 99.9579



67.4319, 68.2189, 27.3847

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.



27.6397, 38.4855, 17.0201



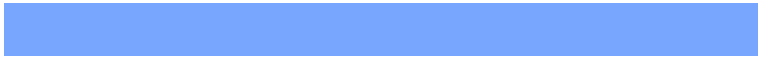
39.4319, 38.4855, 99.9579



41.7764, 38.4855, 13.0143

Square

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



39.4319, 38.4855, 99.9579



53.4073, 38.4855, 34.4323



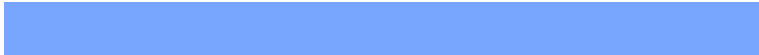
33.8677, 38.4855, 12.2597



23.7192, 38.4855, 50.3856

Rectangle

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



39.4319, 38.4855, 99.9579



51.2940, 38.4855, 66.6897



33.8677, 38.4855, 12.2597



24.9879, 38.4855, 24.1750

Sweetspot

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



39.4332, 38.4868, 99.9581



73.6114, 77.0891, 105.6077



54.8612, 80.0554, 72.0755



15.2309, 15.9299, 22.5220



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.



39.4332, 38.4868, 99.9581



32.9408, 30.4792, 98.7547



35.6254, 26.2520, 97.7972



17.5089, 18.3894, 22.8766



11.3313, 7.5721, 50.2989



1.1999, 0.9306, 4.9296

Inverse Universe

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



54.8403, 37.4476, 40.4152



50.3483, 30.9991, 31.1012



73.3293, 90.4960, 31.3738



18.2648, 18.0892, 20.0114



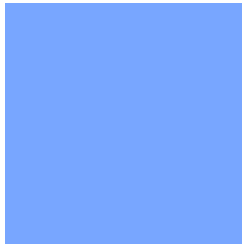
22.5077, 11.4924, 6.0580



2.2403, 1.1385, 0.8467

Previews

White Background



This preview shows how the XYZ color 39.4319, 38.4855, 99.9579 looks on a white background.

Color Contrast Check

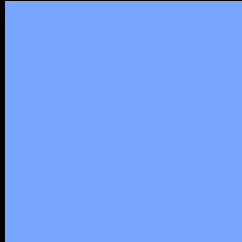
Large Text (above 18pt) WCAG AA × Fail

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 39.4319, 38.4855, 99.9579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

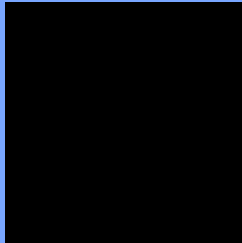
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

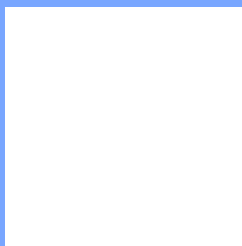
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.4319, 38.4855, 99.9579

Background



This preview shows how black text looks on a background with the XYZ color 39.4319, 38.4855, 99.9579.



This preview shows how white text looks on a background with the XYZ color 39.4319, 38.4855,

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

39.4319, 38.4855, 99.9579

Protanopia

40.6596, 38.3736, 97.3593

Deuteranopia

39.7123, 38.6300, 99.9710



Tritanopia

30.7827, 38.6871, 56.2970

Trichromacy



Original Color

39.4319, 38.4855, 99.9579

Protanomaly

40.2110, 38.3886, 98.2189

Deuteranomaly

39.5714, 38.5574, 99.9644

Tritanomaly

33.4746, 38.2941, 70.5930

Monochromacy



Original Color

39.4319, 38.4855, 99.9579

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.0936, 36.3830, 57.3975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4319, 38.4855, 99.9579 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(120, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 166, 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(120, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 166, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.4319, 38.4855, 99.9579 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(120, 166, 255) }
```


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

```
.border{ border-color:rgb(120, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 166,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4319, 38.4855, 99.9579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 166, 255) }
```

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

```
.background{ background-color: rgb(120,  
166, 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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