

Converting Colors

XYZ(38.2469, 35.5439,
119.2777)

Have a look what the booklet for
XYZ(38.2469, 35.5439, 119.2777)
contains.

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Color

**XYZ(34.4726, 34.0910,
99.3711)**

Conversions

Conversions Part 1

Format	Color
Hex	589FFF
RGB	88, 159, 255
RGB Percent	35%, 62%, 100%
CMY	0.6549, 0.3765, 0.0000
CMYK	0.65, 0.38, 0.00, 0.00
HSL	214°, 100%, 67%
HSV	214°, 65%, 100%
XYZ	34.4726, 34.0910, 99.3711
YIQ	148.7150, -73.1320, 14.8040

Conversions

Conversions Part 2

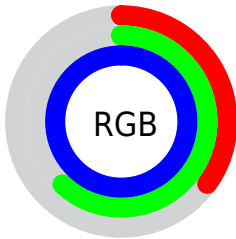
Format	Color
RYB	88, 138, 255
Decimal	5808127
CIELab	65.03, 7.29, -54.28
CIElCh	65, 54.769, 277.644
Yxy	34.0910, 0.2053, 0.2030
Android (android.graphics.Color)	4283998207 (0xFF589FFF)
YUV	148.7150, 52.3985, -53.2471
Hunter-Lab	58.3875, 3.2102, -60.0358

Details

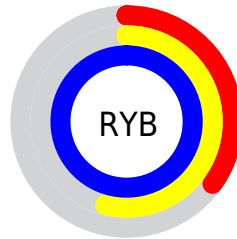
The XYZ color **34.4726, 34.0910, 99.3711** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **60.1438, 56.2487, 16.9216**, and the grayscale version is **28.2580, 29.7297, 32.3756**.

A 20% lighter version of the original color is **54.7931, 61.4839, 103.5874**, and **15.5556, 14.8023, 55.4633** is the 20% darker color. If you saturate the color by 10%, you get **30.0939, 28.3111, 98.4862**, and if you desaturate by 10%, it is **39.9964, 40.9059, 100.3953**.

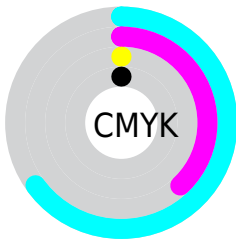
Distribution



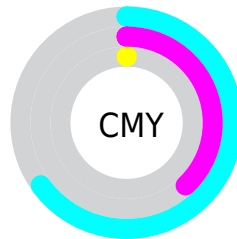
- Red (35%)
- Green (62%)
- Blue (100%)



- Red (35%)
- Yellow (54%)
- Blue (100%)



- Cyan (65%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4726, 34.0910, 99.3711 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 34.4726, 34.0910, 99.3711 by changing the saturation by 10% instead.

■ 34.4726, 34.0910,
99.3711

■ 34.4726, 34.0910,
99.3711

313.7832,
320.5376, 579.4039

■ 23.4215, 22.9635,
75.1615

■ 66.0074, 66.0752,
162.3370

■ 15.0275, 14.5666,
55.2427

■ 87.2217, 87.7006,
201.9303

■ 8.9251, 8.5158,
39.1961

■ 112.5546,
113.5942, 247.4887

■ 4.7491, 4.4267,
26.6033

■ 142.3712,
144.1403, 299.4305

■ 2.1340, 1.9150,
17.0457

177.0371,
179.7233, 358.1744

■ 0.7076, 0.5574,
10.1048

216.9174,

■ 0.0000, 0.0000,

220.7276, 424.1389

5.3620

262.3777,
267.5376, 497.7426

■ 0.0000, 0.0000,
2.3988

■ 0.0000, 0.0000,
0.7858

■ 34.4726, 34.0910,
99.3711

■ 34.4726, 34.0910,
99.3711

■ 30.0939, 28.3111,
98.4862

■ 39.9964, 40.9059,
100.3953

■ 26.7539, 23.4947,
97.7326

■ 46.7507, 48.8132,
101.5656

■ 24.3283, 19.5617,
97.1013

■ 54.8162, 57.8689,
102.8884

■ 23.4557, 18.0314,
96.8519

■ 64.2652, 68.1239,
104.3698

■ 75.1645, 79.6253,
106.0154

■ 87.5763, 92.4176,
107.8303

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.



26.9438, 34.0910, 93.8970



34.4726, 34.0910, 99.3711



42.6319, 34.0910, 83.5239

Triad

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



34.4726, 34.0910, 99.3711



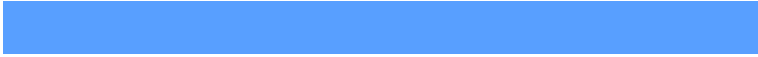
46.0323, 34.0910, 16.3318



20.2511, 34.0910, 22.8681

Complementary

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



34.4726, 34.0910, 99.3711



60.1438, 56.2487, 16.9216

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.



23.9562, 34.0910, 12.1729



34.4726, 34.0910, 99.3711



38.5527, 34.0910, 9.6150

Square

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



34.4726, 34.0910, 99.3711



49.9788, 34.0910, 31.6101



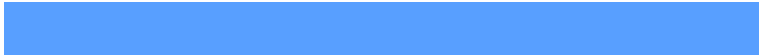
30.4169, 34.0910, 8.4867



19.5216, 34.0910, 43.2341

Rectangle

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



34.4726, 34.0910, 99.3711



47.0592, 34.0910, 65.7254



30.4169, 34.0910, 8.4867



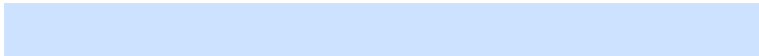
21.1568, 34.0910, 18.3156

Sweetspot

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



34.4738, 34.0921, 99.3712



70.0617, 74.2771, 105.2520



48.2949, 76.9990, 56.9189



14.3487, 15.2135, 22.4302



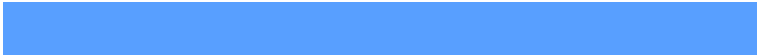
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



34.4738, 34.0921, 99.3712



28.8078, 26.5129, 98.2069



26.7015, 16.8616, 96.4550



17.6378, 18.6473, 22.9196



12.3967, 9.7031, 50.6541



1.3126, 1.1559, 4.9672

Inverse Universe

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



50.9886, 30.7442, 36.0486



47.2126, 25.7264, 26.9772



74.7840, 91.4341, 22.9415



18.3298, 18.1152, 20.3541



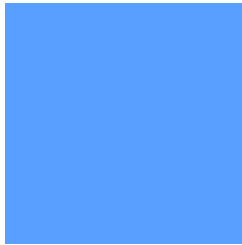
23.0455, 11.7075, 8.8900



2.2971, 1.1612, 1.1462

Previews

White Background



This preview shows how the XYZ color 34.4726, 34.0910, 99.3711 looks on a white background.

Color Contrast Check

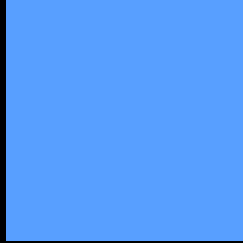
Large Text (above 18pt) WCAG AA × Fail

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 34.4726, 34.0910, 99.3711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

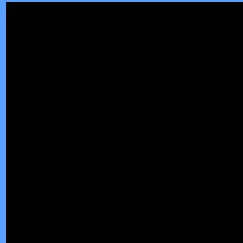
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

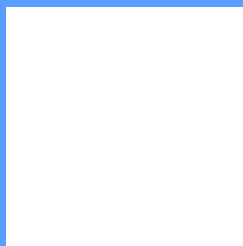
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4726, 34.0910, 99.3711

Background



This preview shows how black text looks on a background with the XYZ color 34.4726, 34.0910, 99.3711.



This preview shows how white text looks on a background with the XYZ color 34.4726, 34.0910,

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

34.4726, 34.0910, 99.3711

Protanopia

36.5566, 34.0064, 95.0796

Deuteranopia

35.2066, 34.2151, 99.3563



Tritanopia

25.0855, 34.0793, 52.2695

Trichromacy



Original Color

34.4726, 34.0910, 99.3711

Protanomaly

35.6435, 33.9934, 96.7782

Deuteranomaly

34.8930, 34.0534, 99.3416

Tritanomaly

27.8729, 33.7829, 67.3390

Monochromacy



Original Color

34.4726, 34.0910, 99.3711

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.2207, 30.9253, 52.0060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4726, 34.0910, 99.3711 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(88, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(88, 159, 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(88, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 159, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.4726, 34.0910, 99.3711 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(88, 159, 255) }
```


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

```
.border{ border-color:rgb(88, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(88, 159,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4726, 34.0910, 99.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 159, 255) }
```

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

```
.background{ background-color: rgb(88, 159,  
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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