

Converting Colors

XYZ(38.2180, 39.3788, 98.0587)

Have a look what the booklet for
XYZ(38.2180, 39.3788, 98.0587)
contains.

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Color

**XYZ(38.0775, 39.2183,
97.6584)**

Conversions

Conversions Part 1

Format	Color
Hex	6AABFC
RGB	106, 171, 252
RGB Percent	42%, 67%, 99%
CMY	0.5843, 0.3294, 0.0118
CMYK	0.58, 0.32, 0.00, 0.01
HSL	213°, 96%, 70%
HSV	213°, 58%, 99%
XYZ	38.0775, 39.2183, 97.6584
YIQ	160.7990, -64.7410, 11.4110

Conversions

Conversions Part 2

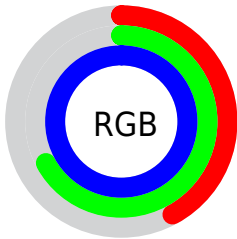
Format	Color
RYB	106, 151, 252
Decimal	6990844
CIELab	68.91, 2.61, -46.48
CIELCh	69, 46.555, 273.208
Yxy	39.2183, 0.2176, 0.2242
Android (android.graphics.Color)	4285180924 (0xFF6AABFC)
YUV	160.7990, 44.9621, -48.0587
Hunter-Lab	62.6245, -1.0598, -48.6213

Details

The XYZ color **38.0775, 39.2183, 97.6584** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **60.5188, 57.2798, 21.5042**, and the grayscale version is **33.6042, 35.3542, 38.5007**.

A 20% lighter version of the original color is **60.9722, 69.7197, 104.8514**, and **17.1068, 17.4739, 54.1009** is the 20% darker color. If you saturate the color by 10%, you get **33.0082, 32.8902, 96.7049**, and if you desaturate by 10%, it is **44.3087, 46.5613, 98.7481**.

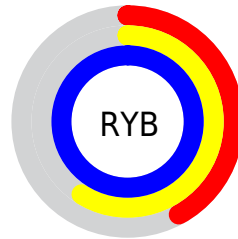
Distribution



Red (42%)

Green (67%)

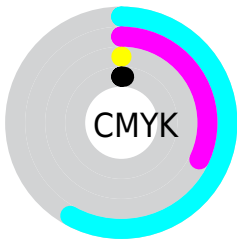
Blue (99%)



Red (42%)

Yellow (59%)

Blue (99%)

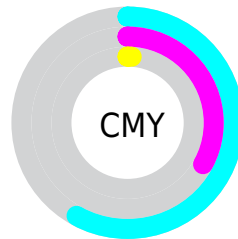


Cyan (58%)

Magenta (32%)

Yellow (0%)

Black (1%)



Cyan (58%)

Magenta (33%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0775, 39.2183, 97.6584 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 38.0775, 39.2183, 97.6584 by changing the saturation by 10% instead.

■ 38.0775, 39.2183,
97.6584

■ 38.0775, 39.2183,
97.6584

329.2274,
342.8177, 573.8413

■ 26.2203, 26.9296,
73.7405

■ 71.5300, 73.9717,
159.9592

■ 17.1221, 17.5204,
54.0861

■ 93.8561, 97.2052,
199.1792

■ 10.4174, 10.6062,
38.2769

■ 120.4026,
124.8557, 244.3370

■ 5.7410, 5.8027,
25.8942

151.5347,
157.3076, 295.8511

■ 2.7274, 2.7255,
16.5194

187.6179,
194.9454, 354.1400

■ 1.0113, 0.9901,
9.7341

229.0175,

■ 0.0000, 0.0000,

238.1534, 419.6223

5.1197

276.0989,
287.3161, 492.7166

■ 0.0000, 0.0000,
2.2577

■ 0.0000, 0.0000,
0.7074

■ 38.0775, 39.2183,
97.6584

■ 38.0775, 39.2183,
97.6584

■ 33.0082, 32.8902,
96.7049

■ 44.3087, 46.5613,
98.7481

■ 29.0083, 27.5147,
95.8782

■ 51.7756, 54.9677,
99.9772

■ 25.9762, 23.0264,
95.1717

■ 60.5505, 64.4872,
101.3521

■ 23.7755, 19.3410,
94.5763

■ 70.6986, 75.1646,
102.8782

■ 23.3858, 18.6582,
94.4650

■ 82.2805, 87.0421,
104.5604

94.5358, 99.7382,
106.3650

94.5708, 99.8083,
106.3767

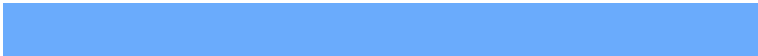
Harmonies

Analogous

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



31.2245, 39.2183, 90.3671



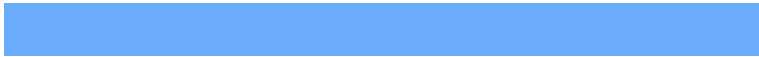
38.0775, 39.2183, 97.6584



45.6218, 39.2183, 86.6613

Triad

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



38.0775, 39.2183, 97.6584



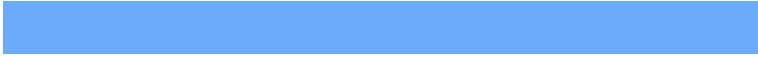
50.4892, 39.2183, 24.0507



25.9653, 39.2183, 26.8454

Complementary

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



38.0775, 39.2183, 97.6584



60.5188, 57.2798, 21.5042

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.



30.0154, 39.2183, 16.8813



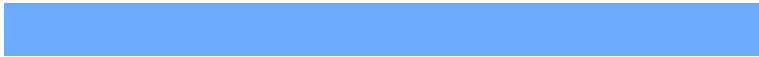
38.0775, 39.2183, 97.6584



44.0624, 39.2183, 15.6829

Square

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



38.0775, 39.2183, 97.6584



53.3584, 39.2183, 40.4627



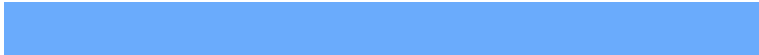
36.4855, 39.2183, 13.5750



24.8007, 39.2183, 45.0226

Rectangle

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



38.0775, 39.2183, 97.6584



49.8670, 39.2183, 72.0430



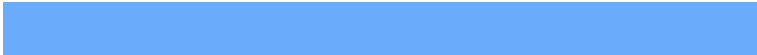
36.4855, 39.2183, 13.5750



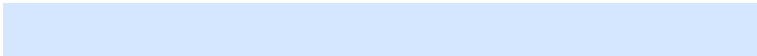
27.0054, 39.2183, 22.6551

Sweetspot

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



38.0790, 39.2197, 97.6594



73.6622, 78.2883, 105.8365



49.6508, 76.2441, 58.7237



15.2874, 16.2592, 22.5826



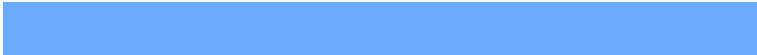
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.0790, 39.2197, 97.6594



32.9532, 32.5426, 99.1523



29.5753, 20.8691, 94.5656



16.9191, 17.9151, 21.9515



12.3236, 10.0029, 49.2548



1.2453, 1.1343, 4.5965

Inverse Universe

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



52.6509, 33.9457, 42.3064



49.8569, 28.8972, 34.3874



74.9646, 90.0209, 27.0625



17.5657, 17.3536, 19.5688



22.5124, 11.4207, 9.4068



2.1375, 1.0787, 1.1474

Previews

White Background



This preview shows how the XYZ color 38.0775, 39.2183, 97.6584 looks on a white background.

Color Contrast Check

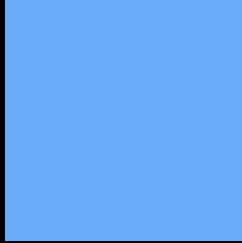
Large Text (above 18pt) WCAG AA × Fail

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 38.0775, 39.2183, 97.6584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

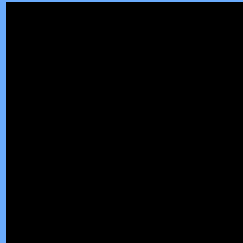
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

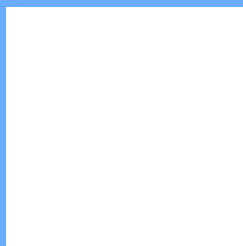
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0775, 39.2183, 97.6584

Background



This preview shows how black text looks on a background with the XYZ color 38.0775, 39.2183, 97.6584.

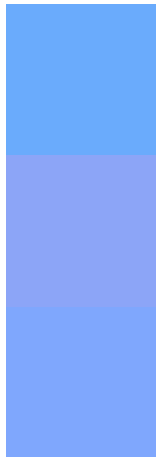


This preview shows how white text looks on a background with the XYZ color 38.0775, 39.2183,

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

38.0775, 39.2183, 97.6584

Protanopia

41.0589, 39.2011, 93.3982

Deuteranopia

40.3007, 39.2413, 98.3788



Tritanopia

30.3733, 39.3261, 58.8132

Trichromacy



Original Color

38.0775, 39.2183, 97.6584

Protanomaly

39.8197, 39.0662, 95.0643

Deuteranomaly

39.3400, 39.0191, 98.3865

Tritanomaly

32.7592, 39.0747, 71.4612

Monochromacy



Original Color

38.0775, 39.2183, 97.6584

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.1772, 36.4680, 56.2766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0775, 39.2183, 97.6584 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(106, 171, 252)` looks like.

```
.text, #text, p{  
    color:rgb(106, 171, 252)  
}
```

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(106, 171, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 171, 252) }
```

Border

The CSS property to change the border of an element to XYZ 38.0775, 39.2183, 97.6584 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(106, 171, 252) }
```


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

```
.border{ border-color:rgb(106, 171, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 171, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 171, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 171, 252);  
box-shadow:4px 4px 4px 4px rgb(106, 171,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0775, 39.2183, 97.6584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 171, 252) }
```

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

```
.background{ background-color: rgb(106,  
171, 252) }
```

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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