

Converting Colors

XYZ(38.1547, 43.8844, 93.4575)

Have a look what the booklet for
XYZ(38.1547, 43.8844, 93.4575)
contains.

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Color

**XYZ(38.1239, 43.7979,
93.6333)**

Conversions

Conversions Part 1

Format	Color
Hex	57BAF6
RGB	87, 186, 246
RGB Percent	34%, 73%, 96%
CMY	0.6588, 0.2706, 0.0353
CMYK	0.65, 0.24, 0.00, 0.04
HSL	203°, 90%, 65%
HSV	203°, 65%, 96%
XYZ	38.1239, 43.7979, 93.6333
YIQ	163.2390, -78.2640, -2.3280

Conversions

Conversions Part 2

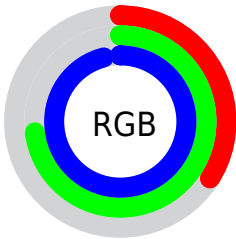
Format	Color
R _Y B	87, 148, 246
Decimal	5749494
CIE Lab	72.09, -10.97, -38.30
CIE LCh	72, 39.845, 254.019
Yxy	43.7979, 0.2172, 0.2495
Android (android.graphics.Color)	4283939574 (0xFF57BAF6)
YUV	163.2390, 40.8012, -66.8616
Hunter-Lab	66.1800, -12.9876, -37.5592

Details

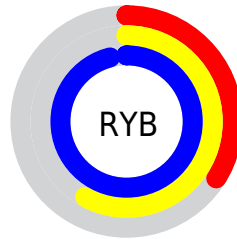
The XYZ color **38.1239, 43.7979, 93.6333** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **50.1618, 41.1508, 14.3177**, and the grayscale version is **34.7671, 36.5777, 39.8331**.

A 20% lighter version of the original color is **62.3798, 77.2083, 106.2227**, and **17.5728, 20.4492, 51.1650** is the 20% darker color. If you saturate the color by 10%, you get **34.3138, 39.0248, 92.9137**, and if you desaturate by 10%, it is **42.8463, 49.2314, 94.4340**.

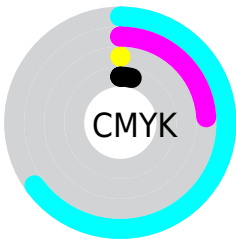
Distribution



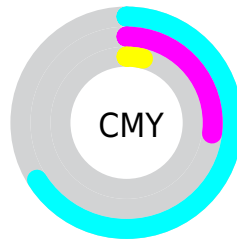
- Red (34%)
- Green (73%)
- Blue (96%)



- Red (34%)
- Yellow (58%)
- Blue (96%)



- Cyan (65%)
- Magenta (24%)
- Yellow (0%)
- Black (4%)



- Cyan (66%)
- Magenta (27%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1239, 43.7979, 93.6333 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 38.1239, 43.7979, 93.6333 by changing the saturation by 10% instead.

■ 38.1239, 43.7979,
93.6333

■ 38.1239, 43.7979,
93.6333

329.4228,
361.8829, 560.6525

■ 26.2565, 30.5117,
70.4074

■ 71.6007, 80.9135,
154.3544

■ 17.1493, 20.2273,
51.3799

■ 93.9408, 105.5117,
192.6867

■ 10.4370, 12.5604,
36.1322

■ 120.5025,
134.6494, 236.8915

■ 5.7541, 7.1265,
24.2458

■ 151.6512,
168.7108, 287.3874

■ 2.7354, 3.5413,
15.3022

187.7522,
208.0805, 344.5929

■ 1.0154, 1.4205,
8.8828

229.1709,

■ 0.0000, 0.2317,

253.1428, 408.9265

4.5690

276.2727,
304.2822, 480.8069

■ 0.0000, 0.0000,
1.9424

■ 0.0000, 0.0000,
0.5195

■ 38.1239, 43.7979,
93.6333

■ 38.1239, 43.7979,
93.6333

■ 34.3138, 39.0248,
92.9137

■ 42.8463, 49.2314,
94.4340

■ 31.3257, 34.8598,
92.2672

■ 48.5503, 55.3624,
95.3168

■ 29.0567, 31.2470,
91.6895

■ 55.3033, 62.2295,
96.2864

■ 28.0536, 29.4916,
91.4035

■ 63.1650, 69.8669,
97.3462

■ 72.1902, 78.3061,
98.4994

■ 82.4302, 87.5766,
99.7491

■ 92.3673, 96.8991,
101.0248

■ 93.6347, 99.4339,
101.4473

Harmonies

Analogous

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



32.8981, 43.7979, 78.8119



38.1239, 43.7979, 93.6333



44.8846, 43.7979, 94.1557

Triad

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



38.1239, 43.7979, 93.6333



55.6813, 43.7979, 39.1622



33.1700, 43.7979, 25.4709

Complementary

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



38.1239, 43.7979, 93.6333



50.1618, 41.1508, 14.3177

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.



38.5340, 43.7979, 19.7570



38.1239, 43.7979, 93.6333



51.7813, 43.7979, 26.0736

Square

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



38.1239, 43.7979, 93.6333



55.5405, 43.7979, 58.7855



45.3417, 43.7979, 19.9424



30.2585, 43.7979, 38.0840

Rectangle

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



38.1239, 43.7979, 93.6333



49.3992, 43.7979, 86.0501



45.3417, 43.7979, 19.9424



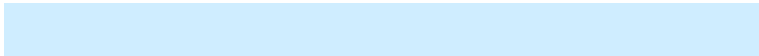
34.7189, 43.7979, 22.8546

Sweetspot

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



38.1254, 43.7994, 93.6344



73.8588, 80.8251, 106.3158



42.0218, 69.9926, 38.2069



15.2149, 16.7428, 22.6797



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.



38.1254, 43.7994, 93.6344



35.9960, 40.6827, 100.5631



25.9504, 19.4494, 89.5760



16.4407, 17.6457, 21.0820



15.1131, 16.0201, 48.8337



1.4270, 1.6055, 4.3249

Inverse Universe

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



50.2785, 29.9560, 49.5880



50.8913, 27.3910, 45.7537



66.5988, 74.0247, 19.7967



16.9330, 16.6561, 19.3939



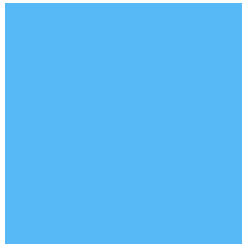
23.4329, 11.7166, 17.5200



2.1094, 1.0497, 1.8022

Previews

White Background



This preview shows how the XYZ color 38.1239, 43.7979, 93.6333 looks on a white background.

Color Contrast Check

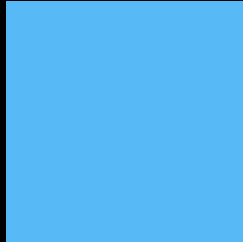
Large Text (above 18pt) WCAG AA × Fail

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 38.1239, 43.7979, 93.6333 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

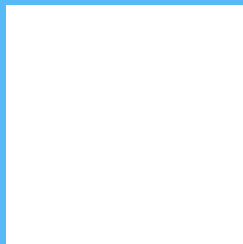
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1239, 43.7979, 93.6333

Background



This preview shows how black text looks on a background with the XYZ color 38.1239, 43.7979, 93.6333.



This preview shows how white text looks on a background with the XYZ color 38.1239, 43.7979,

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

38.1239, 43.7979, 93.6333

Protanopia

44.1844, 43.2124, 85.3689

Deuteranopia

44.6294, 43.5012, 95.6669



Tritanopia

32.8933, 43.9367, 67.0686

Trichromacy



Original Color

38.1239, 43.7979, 93.6333

Protanomaly

41.1643, 43.0376, 88.5756

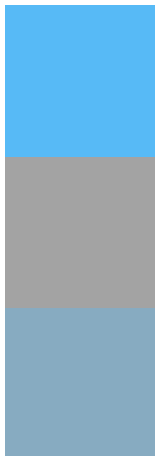
Deuteranomaly

41.4679, 43.0537, 94.9315

Tritanomaly

34.4223, 43.5567, 75.7003

Monochromacy



Original Color

38.1239, 43.7979, 93.6333

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.1802, 38.1270, 56.0098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1239, 43.7979, 93.6333 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(87, 186, 246)` looks like.

```
.text, #text, p{  
    color:rgb(87, 186, 246)  
}
```

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(87, 186, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 186, 246) }
```

Border

The CSS property to change the border of an element to XYZ 38.1239, 43.7979, 93.6333 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(87, 186, 246) }
```


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

```
.border{ border-color:rgb(87, 186, 246) }
```

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

Here you see how a box with a 4 pixel rgb(87, 186, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 186, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 186, 246);  
box-shadow:4px 4px 4px 4px rgb(87, 186,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1239, 43.7979, 93.6333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 186, 246) }
```

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

```
.background{ background-color: rgb(87, 186,  
246) }
```

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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