

Converting Colors

XYZ(38.8454, 43.2139, 99.4480)

Have a look what the booklet for
XYZ(38.8454, 43.2139, 99.4480)
contains.

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Color

**XYZ(38.6876, 43.0335,
99.1958)**

Conversions

Conversions Part 1

Format	Color
Hex	58B7FD
RGB	88, 183, 253
RGB Percent	35%, 72%, 99%
CMY	0.6549, 0.2823, 0.0078
CMYK	0.65, 0.28, 0.00, 0.01
HSL	205°, 98%, 67%
HSV	205°, 65%, 99%
XYZ	38.6876, 43.0335, 99.1958
YIQ	162.5750, -79.0900, 1.6300

Conversions

Conversions Part 2

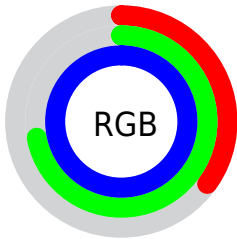
Format	Color
R _Y B	88, 148, 253
Decimal	5814269
CIE Lab	71.58, -6.94, -42.89
CIE LCh	72, 43.445, 260.809
Yxy	43.0335, 0.2138, 0.2379
Android (android.graphics.Color)	4284004349 (0xFF58B7FD)
YUV	162.5750, 44.5795, -65.4023
Hunter-Lab	65.5999, -9.5294, -43.7344

Details

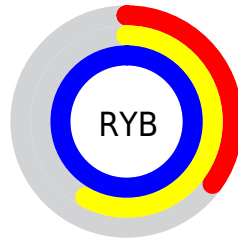
The XYZ color **38.6876, 43.0335, 99.1958** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **54.4985, 46.0442, 15.2496**, and the grayscale version is **34.4379, 36.2314, 39.4560**.

A 20% lighter version of the original color is **61.8654, 75.6284, 105.9448**, and **17.9464, 19.9508, 55.1296** is the 20% darker color. If you saturate the color by 10%, you get **34.5649, 37.7465, 98.3935**, and if you desaturate by 10%, it is **43.8128, 49.0894, 100.0954**.

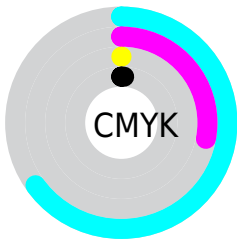
Distribution



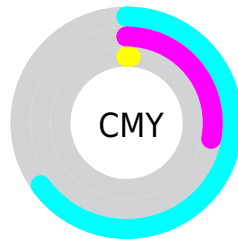
- Red (35%)
- Green (72%)
- Blue (99%)



- Red (35%)
- Yellow (58%)
- Blue (99%)



- Cyan (65%)
- Magenta (28%)
- Yellow (0%)
- Black (1%)



- Cyan (65%)
- Magenta (28%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6876, 43.0335, 99.1958 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 38.6876, 43.0335, 99.1958 by changing the saturation by 10% instead.

■ 38.6876, 43.0335,
99.1958

■ 38.6876, 43.0335,
99.1958

331.7906,
358.7495, 578.8359

■ 26.6964, 29.9114,
75.0159

■ 72.4580, 79.7614,
162.0938

■ 17.4808, 19.7713,
55.1241

■ 94.9679, 104.1360,
201.6491

■ 10.6753, 12.2289,
39.1019

■ 121.7147,
133.0302, 247.1665

■ 5.9146, 6.8998,
26.5305

■ 153.0638,
166.8285, 299.0647

■ 2.8334, 3.3995,
16.9916

189.3806,
205.9151, 357.7622

■ 1.0663, 1.3437,
10.0666

231.0305,

■ 0.0000, 0.1747,

250.6746, 423.6776

5.3370

278.3786,
301.4913, 497.2293

■ 0.0000, 0.0000,
2.3841

■ 0.0000, 0.0000,
0.7778

■ 38.6876, 43.0335,
99.1958

■ 38.6876, 43.0335,
99.1958

■ 34.5649, 37.7465,
98.3935

■ 43.8128, 49.0894,
100.0954

■ 31.3460, 33.1699,
97.6797

■ 50.0169, 55.9567,
101.0940

■ 28.9176, 29.2401,
97.0492

■ 57.3733, 63.6794,
102.1969

■ 27.9569, 27.5461,
96.7729

■ 65.9475, 72.2962,
103.4082

■ 75.7995, 81.8430,
104.7316

■ 86.9852, 92.3533,
106.1708

94.7298, 99.8719,
107.2138

Harmonies

Analogous

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



32.6114, 43.0335, 85.7128



38.6876, 43.0335, 99.1958



46.1270, 43.0335, 95.7429

Triad

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



38.6876, 43.0335, 99.1958



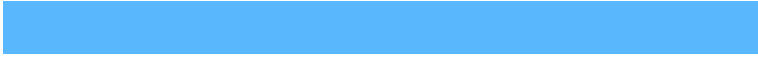
55.5742, 43.0335, 33.9065



30.9040, 43.0335, 25.6638

Complementary

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



38.6876, 43.0335, 99.1958



54.4985, 46.0442, 15.2496

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.



36.0874, 43.0335, 18.3061



38.6876, 43.0335, 99.1958



50.4907, 43.0335, 21.9801

Square

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



38.6876, 43.0335, 99.1958



56.4868, 43.0335, 53.6176



43.1994, 43.0335, 17.1969



28.4850, 43.0335, 40.6885

Rectangle

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



38.6876, 43.0335, 99.1958



50.8431, 43.0335, 84.6193



43.1994, 43.0335, 17.1969



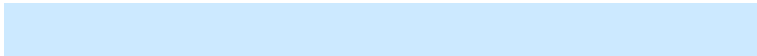
32.3494, 43.0335, 22.4264

Sweetspot

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



38.6891, 43.0350, 99.1969



72.1936, 78.5409, 105.9626



45.2160, 74.7524, 43.8347



14.8584, 16.2330, 22.6001



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.



38.6891, 43.0350, 99.1969



34.1768, 37.0443, 99.9567



26.4829, 18.6225, 95.1281



17.8715, 19.1146, 22.9975



15.0194, 14.9484, 51.5283



1.5707, 1.6721, 5.0532

Inverse Universe

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



52.5464, 31.2829, 48.0697



49.9731, 27.0237, 40.9183



73.2105, 83.4681, 21.4869



18.4478, 18.1624, 20.9752



24.3693, 12.2370, 15.8611



2.4274, 1.2133, 1.8322

Previews

White Background



This preview shows how the XYZ color 38.6876, 43.0335, 99.1958 looks on a white background.

Color Contrast Check

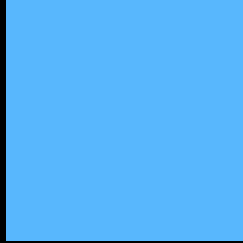
Large Text (above 18pt) WCAG AA × Fail

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 38.6876, 43.0335, 99.1958 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

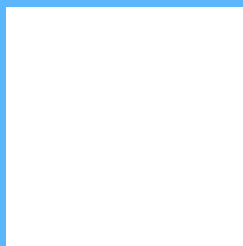
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6876, 43.0335, 99.1958

Background



This preview shows how black text looks on a background with the XYZ color 38.6876, 43.0335, 99.1958.



This preview shows how white text looks on a background with the XYZ color 38.6876, 43.0335,

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

38.6876, 43.0335, 99.1958

Protanopia

44.0306, 42.7121, 91.5116

Deuteranopia

43.8088, 42.6826, 100.5373



Tritanopia

32.0987, 43.2284, 65.6836

Trichromacy



Original Color

38.6876, 43.0335, 99.1958

Protanomaly

41.3671, 42.4332, 94.0058

Deuteranomaly

41.4967, 42.6650, 99.8140

Tritanomaly

34.2507, 43.1166, 77.0381

Monochromacy



Original Color

38.6876, 43.0335, 99.1958

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.4919, 37.9692, 57.7354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6876, 43.0335, 99.1958 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, 183, 253)` looks like.

```
.text, #text, p{  
    color:rgb(88, 183, 253)  
}
```

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, 183, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 183, 253) }
```

Border

The CSS property to change the border of an element to XYZ 38.6876, 43.0335, 99.1958 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, 183, 253) }
```


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

```
.border{ border-color:rgb(88, 183, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 183, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 183, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 183, 253);  
box-shadow:4px 4px 4px 4px rgb(88, 183,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6876, 43.0335, 99.1958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 183, 253) }
```

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

```
.background{ background-color: rgb(88, 183,  
253) }
```

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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