

Converting Colors

XYZ(38.9781, 37.2074, 98.8933)

Have a look what the booklet for
XYZ(38.9781, 37.2074, 98.8933)
contains.

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Color

**XYZ(38.9781, 37.2074,
98.8933)**

Conversions

Conversions Part 1

Format	Color
Hex	7BA2FE
RGB	123, 162, 254
RGB Percent	48%, 64%, 100%
CMY	0.5176, 0.3647, 0.0039
CMYK	0.52, 0.36, 0.00, 0.00
HSL	222°, 98%, 74%
HSV	222°, 52%, 100%
XYZ	38.9781, 37.2074, 98.8933
YIQ	160.8270, -52.7760, 20.3440

Conversions

Conversions Part 2

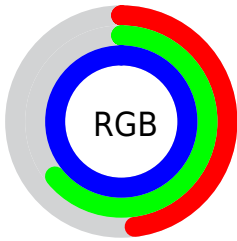
Format	Color
R _Y B	123, 153, 254
Decimal	8102654
CIE Lab	67.43, 11.85, -49.84
CIE LCh	67, 51.228, 283.379
Yxy	37.2074, 0.2226, 0.2125
Android (android.graphics.Color)	4286292734 (0xFF7BA2FE)
YUV	160.8270, 45.9343, -33.1743
Hunter-Lab	60.9979, 7.3166, -53.4259

Details

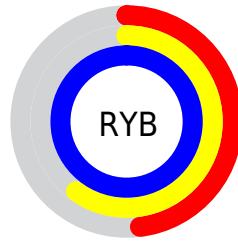
The XYZ color **38.9781, 37.2074, 98.8933** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **68.7505, 71.1044, 28.8418**, and the grayscale version is **33.6086, 35.3588, 38.5058**.

A 20% lighter version of the original color is **62.1543, 66.7908, 104.2238**, and **17.6870, 16.3922, 55.0551** is the 20% darker color. If you saturate the color by 10%, you get **32.8822, 29.7268, 97.7714**, and if you desaturate by 10%, it is **46.4650, 46.0680, 100.2097**.

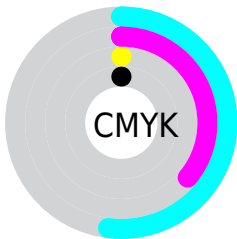
Distribution



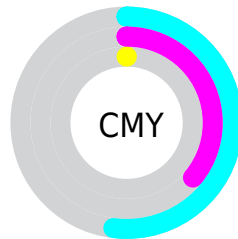
- Red (48%)
- Green (64%)
- Blue (100%)



- Red (48%)
- Yellow (60%)
- Blue (100%)



- Cyan (52%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9781, 37.2074, 98.8933 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 38.9781, 37.2074, 98.8933 by changing the saturation by 10% instead.

■ 38.9781, 37.2074,
98.8933

■ 38.9781, 37.2074,
98.8933

333.0061,
334.2076, 577.8550

■ 26.9233, 25.3681,
74.7649

■ 72.8991, 70.8917,
161.6741

■ 17.6519, 16.3515,
54.9197

■ 95.4961, 93.5054,
201.1635

■ 10.7986, 9.7732,
38.9393

■ 122.3379,
120.4794, 246.6104

■ 5.9978, 5.2489,
26.4050

153.7899,
152.1981, 298.4332

■ 2.8844, 2.3940,
16.8984

190.2173,
189.0459, 357.0506

■ 1.0929, 0.8228,
10.0009

231.9856,

■ 0.0192, 0.0000,

231.4071, 422.8809

5.2939

279.4601,
279.6662, 496.3429

■ 0.0000, 0.0000,
2.3590

■ 0.0000, 0.0000,
0.7640

■ 38.9781, 37.2074,
98.8933

■ 38.9781, 37.2074,
98.8933

■ 32.8822, 29.7268,
97.7714

■ 46.4650, 46.0680,
100.2097

■ 28.0799, 23.5464,
96.8316

■ 55.4229, 56.3741,
101.7269

■ 24.4669, 18.5836,
96.0641

■ 65.9301, 68.1914,
103.4540

■ 21.9185, 14.7418,
95.4569

■ 78.0583, 81.5803,
105.3991

■ 20.4475, 12.2717,
95.0576

■ 91.8745, 96.5976,
107.5696

■ 94.8895, 99.9358,
108.0550

Harmonies

Analogous

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



31.2154, 37.2074, 97.7489



38.9781, 37.2074, 98.8933



46.7931, 37.2074, 80.8163

Triad

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



38.9781, 37.2074, 98.8933



47.5255, 37.2074, 17.4635



22.7698, 37.2074, 29.3505

Complementary

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



38.9781, 37.2074, 98.8933



68.7505, 71.1044, 28.8418

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.



25.9670, 37.2074, 16.4941



38.9781, 37.2074, 98.8933



39.8659, 37.2074, 11.5815

Square

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



38.9781, 37.2074, 98.8933



52.1989, 37.2074, 31.2999



31.9815, 37.2074, 11.3087



22.6052, 37.2074, 51.3758

Rectangle

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



38.9781, 37.2074, 98.8933



50.6689, 37.2074, 63.1660



31.9815, 37.2074, 11.3087



23.5012, 37.2074, 24.0486

Sweetspot

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



38.9795, 37.2087, 98.8942



74.3721, 77.4955, 105.6460



55.8389, 79.9866, 76.5856



15.3626, 15.9739, 22.5235



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.



38.9795, 37.2087, 98.8942



32.9371, 29.6919, 98.6029



37.4051, 27.7321, 97.1480



17.4437, 18.2590, 22.8549



10.8914, 6.6923, 50.1523



1.1508, 0.8323, 4.9133

Inverse Universe

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



54.4789, 37.8471, 38.6174



50.5369, 31.8035, 29.8468



70.9497, 88.7760, 32.1369



18.2319, 18.0761, 19.8381



22.2857, 11.4036, 4.8888



2.2155, 1.1286, 0.7162

Previews

White Background



This preview shows how the XYZ color 38.9781, 37.2074, 98.8933 looks on a white background.

Color Contrast Check

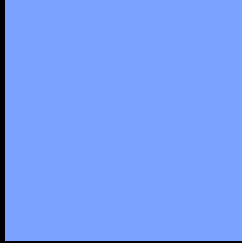
Large Text (above 18pt) WCAG AA × Fail

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 38.9781, 37.2074, 98.8933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

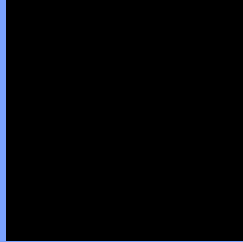
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

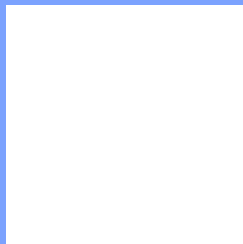
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9781, 37.2074, 98.8933

Background



This preview shows how black text looks on a background with the XYZ color 38.9781, 37.2074, 98.8933.



This preview shows how white text looks on a background with the XYZ color 38.9781, 37.2074,

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

38.9781, 37.2074, 98.8933

Protanopia

39.6804, 37.3274, 98.0420

Deuteranopia

38.3227, 37.1321, 98.9133



Tritanopia

29.8821, 37.1008, 53.7303

Trichromacy



Original Color

38.9781, 37.2074, 98.8933

Protanomaly

39.2269, 37.0936, 98.0208

Deuteranomaly

38.5943, 37.2721, 98.9260

Tritanomaly

32.6916, 36.8048, 68.3318

Monochromacy



Original Color

38.9781, 37.2074, 98.8933

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.6278, 35.6329, 56.6825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9781, 37.2074, 98.8933 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(123, 162, 254)` looks like.

```
.text, #text, p{  
    color:rgb(123, 162, 254)  
}
```

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(123, 162, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 162, 254) }
```

Border

The CSS property to change the border of an element to XYZ 38.9781, 37.2074, 98.8933 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(123, 162, 254) }
```


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

```
.border{ border-color:rgb(123, 162, 254) }
```

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

Here you see how a box with a 4 pixel rgb(123, 162, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 162, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 162, 254);  
box-shadow:4px 4px 4px 4px rgb(123, 162,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9781, 37.2074, 98.8933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 162, 254) }
```

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

```
.background{ background-color: rgb(123,  
162, 254) }
```

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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