

Converting Colors

XYZ(38.8896, 42.1926, 97.3251)

Have a look what the booklet for
XYZ(38.8896, 42.1926, 97.3251)
contains.

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Color

**XYZ(38.9894, 42.3169,
97.3798)**

Conversions

Conversions Part 1

Format	Color
Hex	64B4FB
RGB	100, 180, 251
RGB Percent	39%, 71%, 98%
CMY	0.6078, 0.2941, 0.0157
CMYK	0.60, 0.28, 0.00, 0.02
HSL	208°, 95%, 69%
HSV	208°, 60%, 98%
XYZ	38.9894, 42.3169, 97.3798
YIQ	164.1740, -70.4710, 5.1210

Conversions

Conversions Part 2

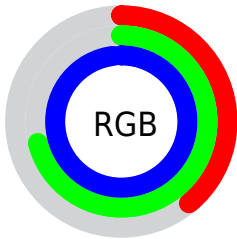
Format	Color
RYB	100, 152, 251
Decimal	6599931
CIELab	71.09, -3.87, -42.54
CIELCh	71, 42.716, 264.800
Yxy	42.3169, 0.2182, 0.2368
Android (android.graphics.Color)	4284790011 (0xFF64B4FB)
YUV	164.1740, 42.8052, -56.2806
Hunter-Lab	65.0514, -6.8538, -43.2191

Details

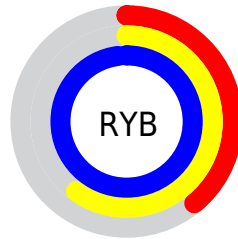
The XYZ color **38.9894, 42.3169, 97.3798** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **56.6488, 50.5580, 18.8316**, and the grayscale version is **35.1977, 37.0307, 40.3265**.

A 20% lighter version of the original color is **62.7434, 74.7880, 105.7363**, and **17.7062, 19.4620, 53.8623** is the 20% darker color. If you saturate the color by 10%, you get **34.3468, 36.5364, 96.5096**, and if you desaturate by 10%, it is **44.6928, 48.9468, 98.3597**.

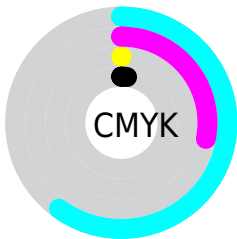
Distribution



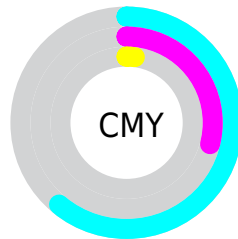
- Red (39%)
- Green (71%)
- Blue (98%)



- Red (39%)
- Yellow (60%)
- Blue (98%)



- Cyan (60%)
- Magenta (28%)
- Yellow (0%)
- Black (2%)



- Cyan (61%)
- Magenta (29%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9894, 42.3169, 97.3798 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 38.9894, 42.3169, 97.3798 by changing the saturation by 10% instead.

■ 38.9894, 42.3169,
97.3798

■ 38.9894, 42.3169,
97.3798

333.0534,
355.7949, 572.9337

■ 26.9322, 29.3495,
73.5095

■ 72.9163, 78.6790,
159.5721

■ 17.6586, 19.3454,
53.8983

■ 95.5167, 102.8425,
198.7311

■ 10.8034, 11.9201,
38.1277

■ 122.3621,
131.5069, 243.8234

■ 6.0011, 6.6893,
25.7792

153.8181,
165.0565, 295.2676

■ 2.8864, 3.2686,
16.4343

190.2498,
203.8757, 353.4822

■ 1.0940, 1.2735,
9.6743

232.0227,

■ 0.0201, 0.1205,

248.3489, 418.8857

5.0808

279.5021,
298.8605, 491.8967

■ 0.0000, 0.0000,
2.2352

■ 0.0000, 0.0000,
0.6946

■ 38.9894, 42.3169,
97.3798

■ 38.9894, 42.3169,
97.3798

■ 34.3468, 36.5364,
96.5096

■ 44.6928, 48.9468,
98.3597

■ 30.6740, 31.5490,
95.7405

■ 51.5284, 56.4681,
99.4512

■ 27.8702, 27.2954,
95.0673

■ 59.5661, 64.9245,
100.6598

■ 25.7972, 23.7340,
94.4891

■ 68.8685, 74.3549,
101.9898

■ 79.4936, 84.7958,
103.4451

■ 91.4955, 96.2815,
105.0295

■ 94.4127, 99.7451,
105.5443

Harmonies

Analogous

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



32.8141, 42.3169, 86.2573



38.9894, 42.3169, 97.3798



46.2596, 42.3169, 91.7844

Triad

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



38.9894, 42.3169, 97.3798



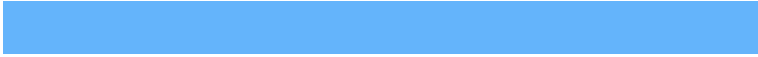
54.0170, 42.3169, 31.4714



30.0120, 42.3169, 26.9228

Complementary

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



38.9894, 42.3169, 97.3798



56.6488, 50.5580, 18.8316

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.



34.7321, 42.3169, 18.8043



38.9894, 42.3169, 97.3798



48.6661, 42.3169, 20.8339

Square

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



38.9894, 42.3169, 97.3798



55.5031, 42.3169, 49.7322



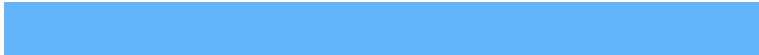
41.4782, 42.3169, 16.9616



28.0380, 42.3169, 42.6033

Rectangle

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



38.9894, 42.3169, 97.3798



50.6925, 42.3169, 79.9895



41.4782, 42.3169, 16.9616



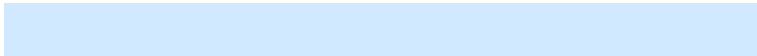
31.3009, 42.3169, 23.4269

Sweetspot

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



38.9909, 42.3184, 97.3808



73.6300, 79.3043, 106.0343



47.0543, 74.6249, 50.1885



15.1107, 16.3283, 22.6052



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.



38.9909, 42.3184, 97.3808



34.8045, 36.8278, 99.8818



27.7249, 19.7864, 93.6255



17.0443, 18.1655, 21.9933



13.7072, 12.7699, 49.7159



1.3757, 1.3950, 4.6399

Inverse Universe

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



52.5804, 32.9207, 46.7643



50.6492, 28.6697, 40.2378



75.0307, 87.3217, 24.9589



17.6289, 17.3789, 19.9016



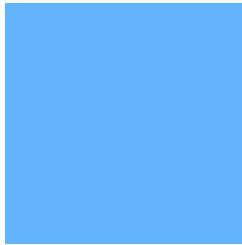
23.2108, 11.7000, 13.0842



2.2033, 1.1051, 1.4940

Previews

White Background



This preview shows how the XYZ color 38.9894, 42.3169, 97.3798 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 38.9894, 42.3169, 97.3798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

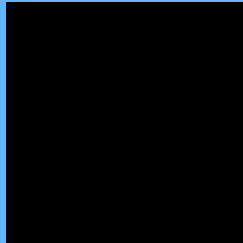
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

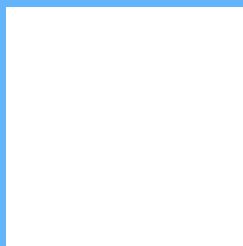
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9894, 42.3169, 97.3798

Background



This preview shows how black text looks on a background with the XYZ color 38.9894, 42.3169, 97.3798.



This preview shows how white text looks on a background with the XYZ color 38.9894, 42.3169,

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

38.9894, 42.3169, 97.3798

Protanopia

43.5031, 42.1762, 90.6420

Deuteranopia

43.2974, 42.1723, 98.7866



Tritanopia

32.3211, 42.4171, 63.6106

Trichromacy



Original Color

38.9894, 42.3169, 97.3798

Protanomaly

41.2863, 41.8315, 93.0870

Deuteranomaly

41.3581, 42.0482, 98.0318

Tritanomaly

34.5405, 42.3645, 74.7633

Monochromacy



Original Color

38.9894, 42.3169, 97.3798

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.3230, 38.3977, 57.7743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9894, 42.3169, 97.3798 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(100, 180, 251)` looks like.

```
.text, #text, p{  
    color:rgb(100, 180, 251)  
}
```

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(100, 180, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 180, 251) }
```

Border

The CSS property to change the border of an element to XYZ 38.9894, 42.3169, 97.3798 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(100, 180, 251) }
```


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

```
.border{ border-color:rgb(100, 180, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 180, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 180, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 180, 251);  
box-shadow:4px 4px 4px 4px rgb(100, 180,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9894, 42.3169, 97.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 180, 251) }
```

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

```
.background{ background-color: rgb(100,  
180, 251) }
```

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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