

Converting Colors

XYZ(38.9650, 42.1432,
100.6885)

Have a look what the booklet for
XYZ(38.9650, 42.1432, 100.6885)
contains.

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Color

**XYZ(38.9874, 42.2422,
100.7064)**

Conversions

Conversions Part 1

Format	Color
Hex	5EB4FF
RGB	94, 180, 255
RGB Percent	37%, 71%, 100%
CMY	0.6313, 0.2941, 0.0000
CMYK	0.63, 0.29, 0.00, 0.00
HSL	208°, 100%, 68%
HSV	208°, 63%, 100%
XYZ	38.9874, 42.2422, 100.7064
YIQ	162.8360, -75.3310, 5.0930

Conversions

Conversions Part 2

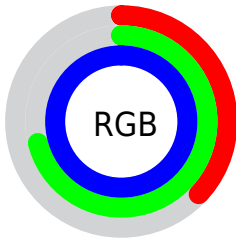
Format	Color
R _Y B	94, 150, 255
Decimal	6206719
CIE Lab	71.04, -3.66, -44.80
CIE LCh	71, 44.947, 265.334
Yxy	42.2422, 0.2143, 0.2322
Android (android.graphics.Color)	4284396799 (0xFF5EB4FF)
YUV	162.8360, 45.4369, -60.3692
Hunter-Lab	64.9940, -6.6642, -46.3724

Details

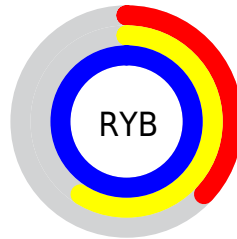
The XYZ color **38.9874, 42.2422, 100.7064** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **57.4502, 50.4470, 17.3012**, and the grayscale version is **34.5553, 36.3548, 39.5904**.

A 20% lighter version of the original color is **61.9501, 74.3790, 105.6992**, and **17.9122, 19.5156, 56.2489** is the 20% darker color. If you saturate the color by 10%, you get **34.4949, 36.5180, 99.8383**, and if you desaturate by 10%, it is **44.5515, 48.8253, 101.6839**.

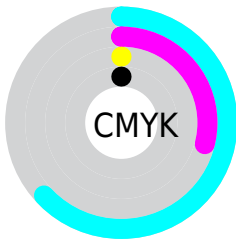
Distribution



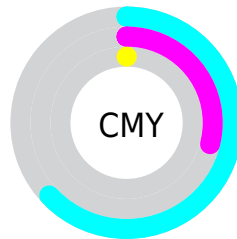
- Red (37%)
- Green (71%)
- Blue (100%)



- Red (37%)
- Yellow (59%)
- Blue (100%)



- Cyan (63%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (63%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9874, 42.2422, 100.7064 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 38.9874, 42.2422, 100.7064 by changing the saturation by 10% instead.

■ 38.9874, 42.2422,
100.7064

■ 38.9874, 42.2422,
100.7064

333.0450,
355.4860, 583.7211

■ 26.9306, 29.2910,
76.2704

■ 72.9133, 78.5661,
164.1879

■ 17.6574, 19.3011,
56.1463

■ 95.5130, 102.7075,
204.0706

■ 10.8025, 11.8880,
39.9155

■ 122.3579,
131.3478, 249.9392

■ 6.0005, 6.6675,
27.1594

■ 153.8131,
164.8713, 302.2124

■ 2.8861, 3.2550,
17.4594

190.2440,
203.6625, 361.3086

■ 1.0938, 1.2663,
10.3972

232.0161,

■ 0.0199, 0.1149,

248.1058, 427.6465

5.5541

279.4947,
298.5854, 501.6444

■ 0.0000, 0.0000,
2.5115

■ 0.0000, 0.0000,
0.8462

■ 38.9874, 42.2422,
100.7064

■ 38.9874, 42.2422,
100.7064

■ 34.4949, 36.5180,
99.8383

■ 44.5515, 48.8253,
101.6839

■ 30.9761, 31.5926,
99.0731

■ 51.2648, 56.3127,
102.7752

■ 28.3189, 27.4010,
98.4041

■ 59.2017, 64.7504,
103.9856

■ 26.8834, 24.8868,
97.9945

■ 68.4288, 74.1797,
105.3193

■ 79.0075, 84.6388,
106.7805

■ 90.9952, 96.1639,
108.3733

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



32.4885, 42.2422, 89.0478



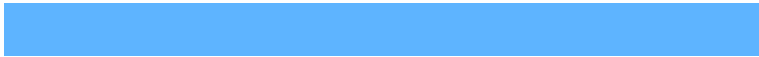
38.9874, 42.2422, 100.7064



46.6467, 42.2422, 94.3732

Triad

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



38.9874, 42.2422, 100.7064



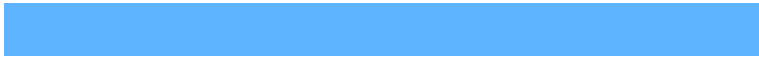
54.6562, 42.2422, 30.4801



29.4121, 42.2422, 26.2645

Complementary

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



38.9874, 42.2422, 100.7064



57.4502, 50.4470, 17.3012

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.



34.2863, 42.2422, 17.8403



38.9874, 42.2422, 100.7064



48.9301, 42.2422, 19.6889

Square

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



38.9874, 42.2422, 100.7064



56.3187, 42.2422, 49.4393



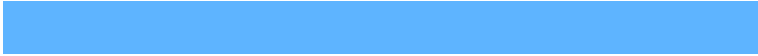
41.3354, 42.2422, 15.8761



27.4162, 42.2422, 42.7137

Rectangle

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



38.9874, 42.2422, 100.7064



51.3126, 42.2422, 81.5940



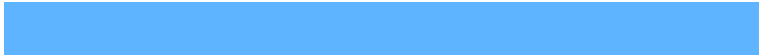
41.3354, 42.2422, 15.8761



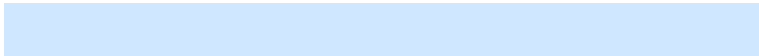
30.7363, 42.2422, 22.6295

Sweetspot

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



38.9888, 42.2436, 100.7066



72.6342, 78.3760, 105.9076



47.3019, 76.6701, 48.6015



14.9185, 16.1501, 22.5809



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.



38.9888, 42.2436, 100.7066



33.3911, 35.0270, 99.6087



27.4243, 19.1146, 96.8518



17.8065, 18.9846, 22.9758



14.1982, 13.3060, 51.2546



1.4918, 1.5143, 5.0269

Inverse Universe

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



53.4820, 32.5625, 46.6476



49.6853, 27.3252, 38.1183



76.5064, 88.5596, 23.6533



18.4150, 18.1493, 20.8025



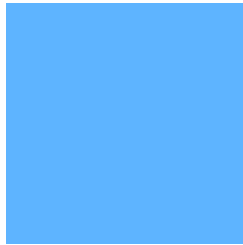
23.9548, 12.0712, 13.6783



2.3876, 1.1974, 1.6226

Previews

White Background



This preview shows how the XYZ color 38.9874, 42.2422, 100.7064 looks on a white background.

Color Contrast Check

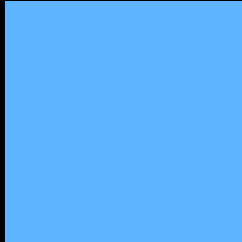
Large Text (above 18pt) WCAG AA × Fail

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 38.9874, 42.2422, 100.7064 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

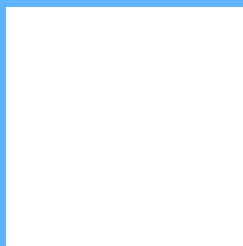
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9874, 42.2422, 100.7064

Background



This preview shows how black text looks on a background with the XYZ color 38.9874, 42.2422, 100.7064.



This preview shows how white text looks on a background with the XYZ color 38.9874, 42.2422,

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

38.9874, 42.2422, 100.7064

Protanopia

43.3760, 41.7608, 93.7702

Deuteranopia

43.1191, 42.0434, 100.4503



Tritanopia

31.8871, 42.4999, 64.2803

Trichromacy



Original Color

38.9874, 42.2422, 100.7064

Protanomaly

41.2935, 41.7634, 96.3272

Deuteranomaly

41.2651, 41.9449, 100.5290

Tritanomaly

34.0201, 42.0652, 76.1384

Monochromacy



Original Color

38.9874, 42.2422, 100.7064

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.6330, 37.7647, 57.6885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9874, 42.2422, 100.7064 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(94, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 180, 255)  
}
```

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(94, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.9874, 42.2422, 100.7064 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(94, 180, 255) }
```


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

```
.border{ border-color:rgb(94, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 180,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9874, 42.2422, 100.7064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 180, 255) }
```

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

```
.background{ background-color: rgb(94, 180,  
255) }
```

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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