

Converting Colors

XYZ(38.9637, 41.7451,
100.6117)

Have a look what the booklet for
XYZ(38.9637, 41.7451, 100.6117)
contains.

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Color

**XYZ(38.9002, 41.6022,
100.5875)**

Conversions

Conversions Part 1

Format	Color
Hex	61B2FF
RGB	97, 178, 255
RGB Percent	38%, 70%, 100%
CMY	0.6196, 0.3020, 0.0000
CMYK	0.62, 0.30, 0.00, 0.00
HSL	209°, 100%, 69%
HSV	209°, 62%, 100%
XYZ	38.9002, 41.6022, 100.5875
YIQ	162.5590, -72.9930, 6.7750

Conversions

Conversions Part 2

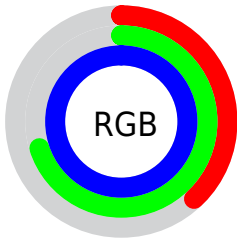
Format	Color
R _Y B	97, 151, 255
Decimal	6402815
CIE Lab	70.60, -2.03, -45.48
CIE LCh	71, 45.528, 267.445
Yxy	41.6022, 0.2148, 0.2297
Android (android.graphics.Color)	4284592895 (0xFF61B2FF)
YUV	162.5590, 45.5734, -57.4952
Hunter-Lab	64.4998, -5.2202, -47.3130

Details

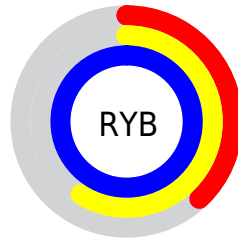
The XYZ color **38.9002, 41.6022, 100.5875** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **58.5354, 52.3979, 18.3401**, and the grayscale version is **34.4238, 36.2165, 39.4397**.

A 20% lighter version of the original color is **61.4870, 72.8688, 105.4321**, and **17.6539, 18.9989, 56.1628** is the 20% darker color. If you saturate the color by 10%, you get **34.2451, 35.6970, 99.6930**, and if you desaturate by 10%, it is **44.6550, 48.4082, 101.5979**.

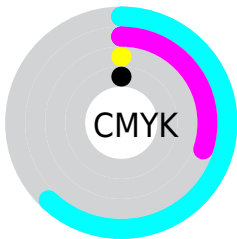
Distribution



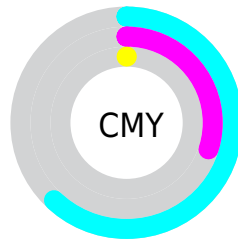
- Red (38%)
- Green (70%)
- Blue (100%)



- Red (38%)
- Yellow (59%)
- Blue (100%)



- Cyan (62%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9002, 41.6022, 100.5875 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 38.9002, 41.6022, 100.5875 by changing the saturation by 10% instead.

■ 38.9002, 41.6022,
100.5875

■ 38.9002, 41.6022,
100.5875

332.6805,
352.8312, 583.3374

■ 26.8625, 28.7899,
76.1717

■ 72.7809, 77.5972,
164.0232

■ 17.6060, 18.9220,
56.0658

■ 95.3545, 101.5488,
203.8802

■ 10.7655, 11.6139,
39.8513

■ 122.1709,
129.9822, 249.7213

■ 5.9755, 6.4814,
27.1097

■ 153.5953,
163.2819, 301.9650

■ 2.8707, 3.1399,
17.4225

189.9931,
201.8322, 361.0299

■ 1.0858, 1.2052,
10.3710

231.7297,

■ 0.0132, 0.0660,

246.0176, 427.3346

5.5368

279.1703,
296.2225, 501.2976

■ 0.0000, 0.0000,
2.5014

■ 0.0000, 0.0000,
0.8409

■ 38.9002, 41.6022,
100.5875

■ 38.9002, 41.6022,
100.5875

■ 34.2451, 35.6970,
99.6930

■ 44.6550, 48.4082,
101.5979

■ 30.5925, 30.6317,
98.9079

■ 51.5866, 56.1613,
102.7290

■ 27.8325, 26.3413,
98.2252

■ 59.7694, 64.9085,
103.9861

■ 26.1293, 23.3787,
97.7431

■ 69.2699, 74.6921,
105.3738

■ 80.1498, 85.5514,
106.8965

■ 92.4665, 97.5235,
108.5582

■ 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.



32.2555, 41.6022, 89.9724



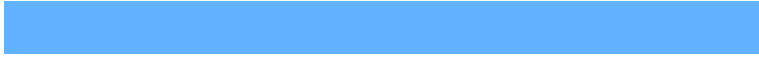
38.9002, 41.6022, 100.5875



46.5925, 41.6022, 92.9226

Triad

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



38.9002, 41.6022, 100.5875



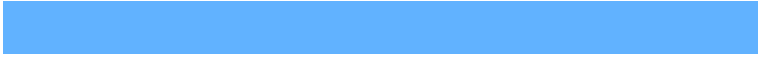
53.8226, 41.6022, 28.7570



28.5567, 41.6022, 26.4580

Complementary

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



38.9002, 41.6022, 100.5875



58.5354, 52.3979, 18.3401

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.



33.2406, 41.6022, 17.5769



38.9002, 41.6022, 100.5875



47.8499, 41.6022, 18.5779

Square

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



38.9002, 41.6022, 100.5875



55.8295, 41.6022, 47.1700



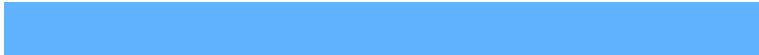
40.1901, 41.6022, 15.2305



26.7765, 41.6022, 43.4756

Rectangle

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



38.9002, 41.6022, 100.5875



51.1866, 41.6022, 79.4996



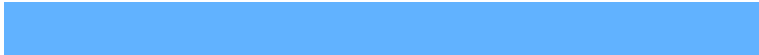
40.1901, 41.6022, 15.2305



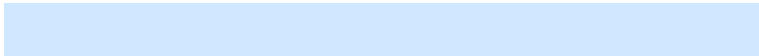
29.8121, 41.6022, 22.6550

Sweetspot

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



38.9016, 41.6036, 100.5877



72.3411, 77.7897, 105.8099



48.2695, 77.0934, 52.0602



14.8477, 16.0086, 22.5574



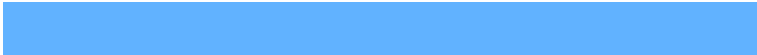
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.9016, 41.6036, 100.5877



33.4206, 34.5959, 99.5240



27.5036, 18.8077, 96.7884



17.7730, 18.9177, 22.9647



13.8033, 12.5161, 51.1229



1.4534, 1.4374, 5.0141

Inverse Universe

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



53.5516, 33.0255, 45.6727



49.8199, 27.8372, 37.4146



78.3238, 91.9747, 24.9362



18.3981, 18.1426, 20.7135



23.7554, 11.9915, 12.6285



2.3682, 1.1897, 1.5203

Previews

White Background



This preview shows how the XYZ color 38.9002, 41.6022, 100.5875 looks on a white background.

Color Contrast Check

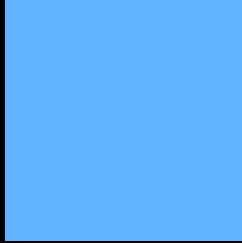
Large Text (above 18pt) WCAG AA × Fail

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 38.9002, 41.6022, 100.5875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

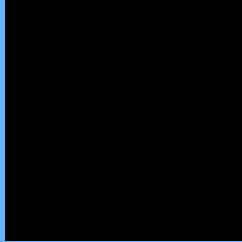
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

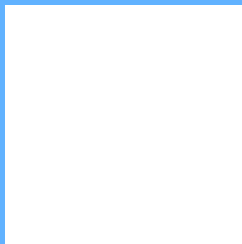
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9002, 41.6022, 100.5875

Background



This preview shows how black text looks on a background with the XYZ color 38.9002, 41.6022, 100.5875.



This preview shows how white text looks on a background with the XYZ color 38.9002, 41.6022,

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

38.9002, 41.6022, 100.5875

Protanopia

42.9853, 41.2642, 94.5062

Deuteranopia

42.4444, 41.4142, 100.3644



Tritanopia

31.4352, 41.6560, 62.8835

Trichromacy



Original Color

38.9002, 41.6022, 100.5875

Protanomaly

41.0672, 41.0593, 97.0275

Deuteranomaly

41.0712, 41.5571, 100.4644

Tritanomaly

33.7186, 41.3042, 75.3026

Monochromacy



Original Color

38.9002, 41.6022, 100.5875

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.6139, 37.4798, 57.6345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9002, 41.6022, 100.5875 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(97, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 178, 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(97, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 178, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.9002, 41.6022, 100.5875 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(97, 178, 255) }
```


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

```
.border{ border-color:rgb(97, 178, 255) }
```

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

Here you see how a box with a 4 pixel rgb(97, 178, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 178,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9002, 41.6022, 100.5875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 178, 255) }
```

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

```
.background{ background-color: rgb(97, 178,  
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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