

Converting Colors

XYZ(38.4428, 40.7355,
100.4443)

Have a look what the booklet for
XYZ(38.4428, 40.7355, 100.4443)
contains.

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Color

**XYZ(38.5051, 40.8121,
100.4558)**

Conversions

Conversions Part 1

Format	Color
Hex	61B0FF
RGB	97, 176, 255
RGB Percent	38%, 69%, 100%
CMY	0.6196, 0.3098, 0.0000
CMYK	0.62, 0.31, 0.00, 0.00
HSL	210°, 100%, 69%
HSV	210°, 62%, 100%
XYZ	38.5051, 40.8121, 100.4558
YIQ	161.3850, -72.4430, 7.8210

Conversions

Conversions Part 2

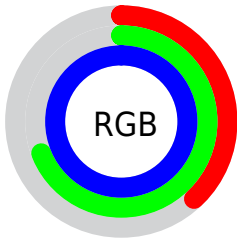
Format	Color
R_{YB}	97, 150, 255
Decimal	6402303
CIE _{Lab}	70.04, -0.91, -46.35
CIE _{LCh}	70, 46.358, 268.872
Yxy	40.8121, 0.2142, 0.2270
Android (android.graphics.Color)	4284592383 (0xFF61B0FF)
YUV	161.3850, 46.1522, -56.4656
Hunter-Lab	63.8843, -4.2101, -48.5123

Details

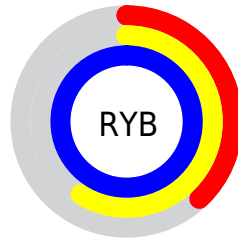
The XYZ color **38.5051, 40.8121, 100.4558** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **58.9246, 53.1762, 18.4697**, and the grayscale version is **33.8730, 35.6370, 38.8087**.

A 20% lighter version of the original color is **60.9240, 71.7428, 105.2444**, and **17.4132, 18.4990, 56.0790** is the 20% darker color. If you saturate the color by 10%, you get **33.8280, 34.8629, 99.5540**, and if you desaturate by 10%, it is **44.2927, 47.6837, 101.4771**.

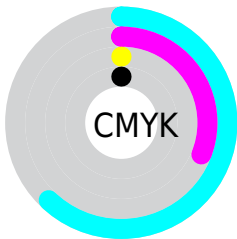
Distribution



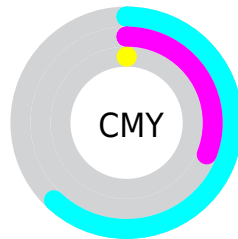
- Red (38%)
- Green (69%)
- Blue (100%)



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



- Cyan (62%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5051, 40.8121, 100.4558 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 38.5051, 40.8121, 100.4558 by changing the saturation by 10% instead.

■ 38.5051, 40.8121,
100.4558

■ 38.5051, 40.8121,
100.4558

331.0253,
349.5347, 582.9122

■ 26.5539, 28.1723,
76.0622

■ 72.1806, 76.3986,
163.8407

■ 17.3733, 18.4556,
55.9766

■ 94.6356, 100.1140,
203.6692

■ 10.5980, 11.2776,
39.7803

■ 121.3227,
128.2902, 249.4798

■ 5.8625, 6.2538,
27.0548

■ 152.6070,
161.3114, 301.6909

■ 2.8015, 3.0000,
17.3816

188.8542,
199.5620, 360.7212

■ 1.0497, 1.1318,
10.3421

230.4293,

■ 0.0000, 0.0049,

243.4265, 426.9891

5.5178

277.6979,
293.2893, 500.9133

■ 0.0000, 0.0000,
2.4902

■ 0.0000, 0.0000,
0.8349

■ 38.5051, 40.8121,
100.4558

■ 38.5051, 40.8121,
100.4558

■ 33.8280, 34.8629,
99.5540

■ 44.2927, 47.6837,
101.4771

■ 30.1637, 29.7742,
98.7649

■ 51.2683, 55.5249,
102.6230

■ 27.4018, 25.4798,
98.0816

■ 59.5069, 64.3837,
103.8987

■ 25.7037, 22.5275,
97.6012

■ 69.0755, 74.3034,
105.3091

■ 80.0359, 85.3240,
106.8586

■ 92.4463, 97.4834,
108.5515

■ 95.0500, 100.0000,
108.9000

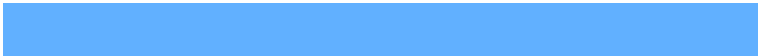
Harmonies

Analogous

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



31.7466, 40.8121, 90.4874



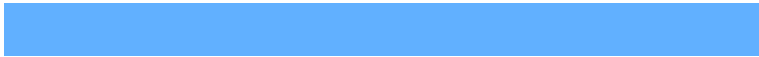
38.5051, 40.8121, 100.4558



46.2468, 40.8121, 91.8109

Triad

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



38.5051, 40.8121, 100.4558



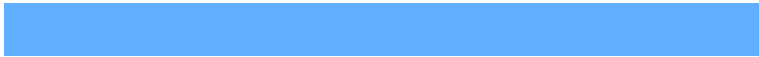
52.9737, 40.8121, 27.2047



27.6239, 40.8121, 26.1937

Complementary

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



38.5051, 40.8121, 100.4558



58.9246, 53.1762, 18.4697

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.



32.1824, 40.8121, 17.0292



38.5051, 40.8121, 100.4558



46.8065, 40.8121, 17.4655

Square

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



38.5051, 40.8121, 100.4558



55.2270, 40.8121, 45.2624



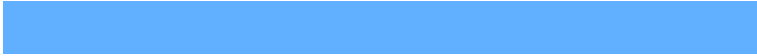
39.0777, 40.8121, 14.4446



25.9893, 40.8121, 43.6226

Rectangle

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



38.5051, 40.8121, 100.4558



50.8113, 40.8121, 77.8555



39.0777, 40.8121, 14.4446



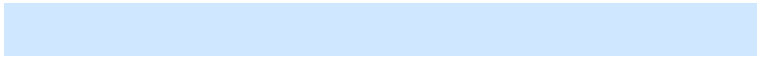
28.8332, 40.8121, 22.2829

Sweetspot

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



38.5065, 40.8134, 100.4560



72.1694, 77.4463, 105.7526



48.5275, 77.1966, 53.4192



14.8063, 15.9257, 22.5435



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.



38.5065, 40.8134, 100.4560



33.0004, 33.7555, 99.3839



27.2561, 18.3128, 96.7059



17.7534, 18.8784, 22.9581



13.5801, 12.0697, 51.0485



1.4314, 1.3936, 5.0068

Inverse Universe

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



53.3522, 32.9456, 44.6227



49.6078, 27.7524, 36.2977



79.1581, 93.6432, 25.2142



18.3882, 18.1386, 20.6613



23.6428, 11.9464, 12.0353



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 38.5051, 40.8121, 100.4558 looks on a white background.

Color Contrast Check

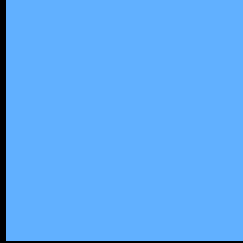
Large Text (above 18pt) WCAG AA × Fail

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 38.5051, 40.8121, 100.4558 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

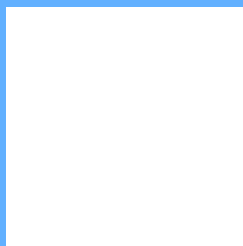
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5051, 40.8121, 100.4558

Background



This preview shows how black text looks on a background with the XYZ color 38.5051, 40.8121, 100.4558.

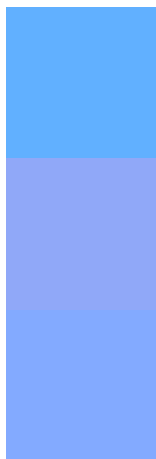


This preview shows how white text looks on a background with the XYZ color 38.5051, 40.8121,

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

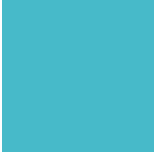
38.5051, 40.8121, 100.4558

Protanopia

42.4475, 40.7119, 94.4279

Deuteranopia

41.7848, 40.7947, 100.2796



Tritanopia

30.7001, 40.6745, 61.4912

Trichromacy



Original Color

38.5051, 40.8121, 100.4558

Protanomaly

40.7279, 40.6029, 96.9573

Deuteranomaly

40.4103, 40.6470, 100.3235

Tritanomaly

33.0874, 40.3818, 74.4572

Monochromacy



Original Color

38.5051, 40.8121, 100.4558

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.9678, 36.6158, 56.9070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5051, 40.8121, 100.4558 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, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 176, 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, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.5051, 40.8121, 100.4558 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, 176, 255) }
```


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

```
.border{ border-color:rgb(97, 176, 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, 176, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5051, 40.8121, 100.4558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 176, 255) }
```

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

```
.background{ background-color: rgb(97, 176,  
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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