

Converting Colors

XYZ(49.7747, 52.3837,
102.9475)

Have a look what the booklet for
XYZ(49.7747, 52.3837, 102.9475)
contains.

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Color

**XYZ(49.7778, 52.5461,
102.1266)**

Conversions

Conversions Part 1

Format	Color
Hex	94C3FF
RGB	148, 195, 255
RGB Percent	58%, 76%, 100%
CMY	0.4196, 0.2353, 0.0000
CMYK	0.42, 0.24, 0.00, 0.00
HSL	214°, 100%, 79%
HSV	214°, 42%, 100%
XYZ	49.7778, 52.5461, 102.1266
YIQ	187.7870, -47.2720, 8.6960

Conversions

Conversions Part 2

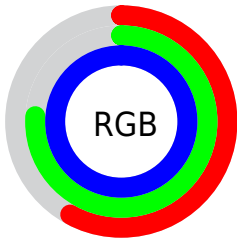
Format	Color
R_{YB}	148, 181, 255
Decimal	9749503
CIE _{Lab}	77.61, -0.45, -34.38
CIE _{LCh}	78, 34.387, 269.256
Yxy	52.5461, 0.2435, 0.2570
Android (android.graphics.Color)	4287939583 (0xFF94C3FF)
YUV	187.7870, 33.1360, -34.8932
Hunter-Lab	72.4887, -4.2797, -32.7894

Details

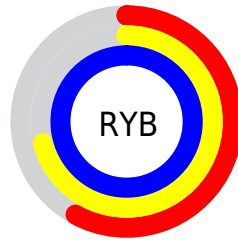
The XYZ color **49.7778, 52.5461, 102.1266** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.1418, 68.5105, 37.5985**, and the grayscale version is **47.5178, 49.9924, 54.4417**.

A 20% lighter version of the original color is **77.7240, 89.1935, 107.7273**, and **24.2797, 25.6985, 57.1067** is the 20% darker color. If you saturate the color by 10%, you get **42.6115, 44.3222, 100.9169**, and if you desaturate by 10%, it is **58.2700, 61.9112, 103.4866**.

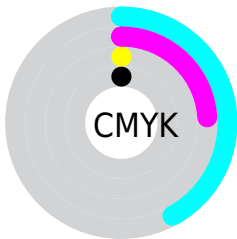
Distribution



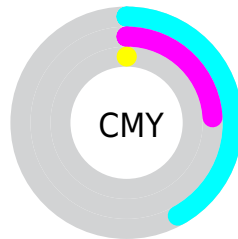
- Red (58%)
- Green (76%)
- Blue (100%)



- Red (58%)
- Yellow (71%)
- Blue (100%)



- Cyan (42%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7778, 52.5461, 102.1266 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 49.7778, 52.5461, 102.1266 by changing the saturation by 10% instead.

■ 49.7778, 52.5461,
102.1266

■ 49.7778, 52.5461,
102.1266

376.2627,
396.5412, 588.2943

■ 35.4540, 37.4405,
77.4510

■ 89.0394, 93.9361,
166.1539

■ 24.1809, 25.5488,
57.1093

■ 114.7078,
120.9894, 206.3426

■ 15.5933, 16.4864,
40.6831

144.8884,
152.7940, 252.5394

■ 9.3259, 9.8690,
27.7537

179.9467,
189.7344, 305.1629

■ 5.0131, 5.3122,
17.9026

220.2479,
232.1949, 364.6316

■ 2.2898, 2.4316,
10.7114

266.1574,

■ 0.7894, 0.8421,

280.5599, 431.3640

5.7614

318.0406,
335.2139, 505.7787

■ 0.0000, 0.0000,
2.6341

■ 0.0000, 0.0000,
0.9100

■ 49.7778, 52.5461,
102.1266

■ 49.7778, 52.5461,
102.1266

■ 42.6115, 44.3222,
100.9169

■ 58.2700, 61.9112,
103.4866

■ 36.6903, 37.1818,
99.8508

■ 68.1529, 72.4598,
105.0018

■ 31.9312, 31.0699,
98.9219

■ 79.4924, 84.2388,
106.6778

■ 28.2378, 25.9228,
98.1230

■ 92.3488, 97.2905,
108.5194

■ 25.4951, 21.6666, 95.0500, 100.0000,
97.4461 108.9000

■ 23.8454, 18.8108,
96.9818

Harmonies

Analogous

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



43.6958, 52.5461, 94.7528



49.7778, 52.5461, 102.1266



56.4477, 52.5461, 95.4193

Triad

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



49.7778, 52.5461, 102.1266



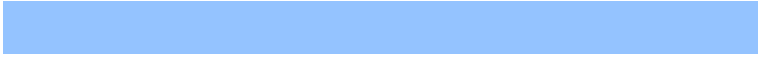
61.9334, 52.5461, 41.1374



39.7527, 52.5461, 40.4805

Complementary

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



49.7778, 52.5461, 102.1266



69.1418, 68.5105, 37.5985

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.



43.9591, 52.5461, 30.8707



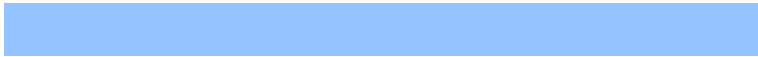
49.7778, 52.5461, 102.1266



56.7600, 52.5461, 31.1866

Square

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



49.7778, 52.5461, 102.1266



63.8312, 52.5461, 57.6901



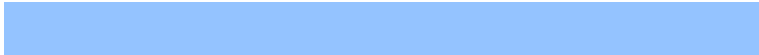
50.1096, 52.5461, 27.8829



38.2321, 52.5461, 56.7400

Rectangle

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



49.7778, 52.5461, 102.1266



60.2564, 52.5461, 84.5569



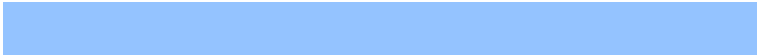
50.1096, 52.5461, 27.8829



40.8800, 52.5461, 36.5097

Sweetspot

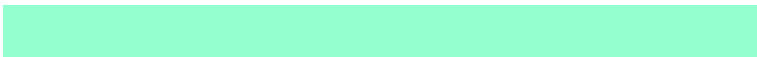
The Sweet Spot groups the original color and five complimentary colors.



49.7794, 52.5480, 102.1269



78.2423, 82.9540, 106.4957



59.2179, 82.3141, 71.7037



16.1913, 17.1822, 22.7131



0.0000, 0.0000, 0.0000



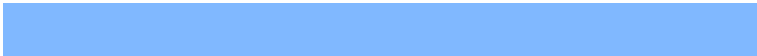
20.3446, 21.4041, 23.3091

Same Dimension

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



49.7794, 52.5480, 102.1269



43.9150, 45.8465, 101.1424



41.8444, 35.2080, 99.1981



17.6596, 18.6907, 22.9269



12.6025, 10.1146, 50.7227



1.3336, 1.1980, 4.9742

Inverse Universe

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



61.6813, 46.3815, 57.3333



57.4941, 40.0082, 49.7683



80.4047, 93.9177, 41.9089



18.3408, 18.1196, 20.4118



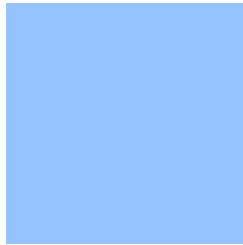
23.1494, 11.7490, 9.4369



2.3078, 1.1655, 1.2021

Previews

White Background



This preview shows how the XYZ color 49.7778, 52.5461, 102.1266 looks on a white background.

Color Contrast Check

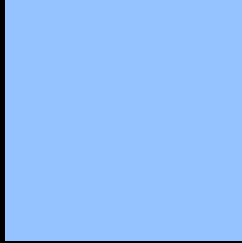
Large Text (above 18pt) WCAG AA × Fail

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 49.7778, 52.5461, 102.1266 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

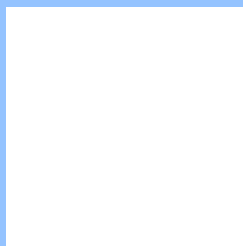
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7778, 52.5461, 102.1266

Background



This preview shows how black text looks on a background with the XYZ color 49.7778, 52.5461, 102.1266.



This preview shows how white text looks on a background with the XYZ color 49.7778, 52.5461,

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

49.7778, 52.5461, 102.1266

Protanopia

53.1321, 52.4113, 97.7585

Deuteranopia

53.4888, 52.1851, 101.8613



Tritanopia

44.2567, 52.7063, 74.1704

Trichromacy



Original Color

49.7778, 52.5461, 102.1266

Protanomaly

51.7185, 52.2892, 99.4624

Deuteranomaly

52.1979, 52.4809, 101.9865

Tritanomaly

46.0026, 52.3672, 83.2846

Monochromacy



Original Color

49.7778, 52.5461, 102.1266

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.7480, 50.8993, 69.5953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7778, 52.5461, 102.1266 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(148, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 195, 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(148, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 195, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.7778, 52.5461, 102.1266 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(148, 195, 255) }
```


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

```
.border{ border-color:rgb(148, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 195, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 195, 255); box-shadow:4px 4px 4px 4px rgb(148, 195, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7778, 52.5461, 102.1266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 195, 255) }
```

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

```
.background{ background-color: rgb(148,  
195, 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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