

Converting Colors

XYZ(51.7720, 55.0936,
100.3928)

Have a look what the booklet for
XYZ(51.7720, 55.0936, 100.3928)
contains.

XYZ(51.7044, 54.9430, 99.9754)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.7044, 54.9430,
99.9754)**

Conversions

Conversions Part 1

Format	Color
Hex	9CC7FC
RGB	156, 199, 252
RGB Percent	61%, 78%, 99%
CMY	0.3882, 0.2196, 0.0118
CMYK	0.38, 0.21, 0.00, 0.01
HSL	213°, 94%, 80%
HSV	213°, 38%, 99%
XYZ	51.7044, 54.9430, 99.9754
YIQ	192.1850, -42.6410, 7.3670

Conversions

Conversions Part 2

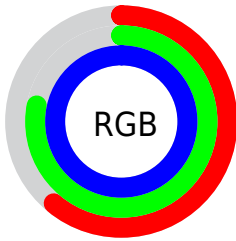
Format	Color
R _Y B	156, 186, 252
Decimal	10274812
CIE Lab	79.01, -1.36, -30.58
CIE LCh	79, 30.613, 267.460
Yxy	54.9430, 0.2502, 0.2659
Android (android.graphics.Color)	4288464892 (0xFF9CC7FC)
YUV	192.1850, 29.4888, -31.7342
Hunter-Lab	74.1235, -5.2047, -28.0819

Details

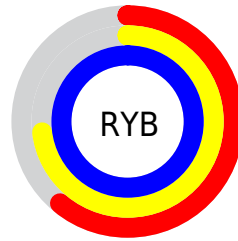
The XYZ color **51.7044, 54.9430, 99.9754** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.9474, 68.6981, 41.0805**, and the grayscale version is **50.0634, 52.6706, 57.3583**.

A 20% lighter version of the original color is **81.2506, 92.8861, 108.2542**, and **25.3426, 26.9576, 55.4974** is the 20% darker color. If you saturate the color by 10%, you get **44.2686, 46.5740, 98.7529**, and if you desaturate by 10%, it is **60.4480, 64.4230, 101.3454**.

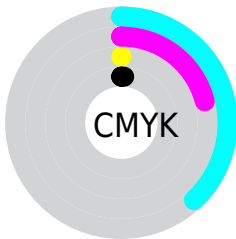
Distribution



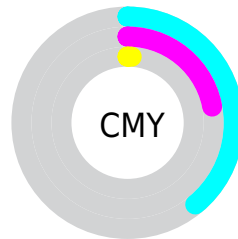
- Red (61%)
- Green (78%)
- Blue (99%)



- Red (61%)
- Yellow (73%)
- Blue (99%)



- Cyan (38%)
- Magenta (21%)
- Yellow (0%)
- Black (1%)



- Cyan (39%)
- Magenta (22%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7044, 54.9430, 99.9754 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 51.7044, 54.9430, 99.9754 by changing the saturation by 10% instead.

■ 51.7044, 54.9430,
99.9754

■ 51.7044, 54.9430,
99.9754

383.6371,
405.6958, 581.3598

■ 36.9928, 39.3561,
75.6632

■ 91.8720, 97.4574,
163.1750

■ 25.3756, 27.0369,
55.6514

■ 118.0587,
125.1538, 202.8994

■ 16.4873, 17.6009,
39.5214

148.8011,
157.6553, 248.5984

■ 9.9627, 10.6638,
26.8546

184.4647,
195.3465, 300.6904

■ 5.4363, 5.8413,
17.2326

225.4147,
238.6118, 359.5940

■ 2.5428, 2.7488,
10.2368

272.0165,

■ 0.9169, 1.0020,

287.8355, 425.7278

5.4486

324.6355,
343.4021, 499.5102

■ 0.0000, 0.0000,
2.4495

■ 0.0000, 0.0000,
0.8132

■ 51.7044, 54.9430,
99.9754

■ 51.7044, 54.9430,
99.9754

■ 44.2686, 46.5740,
98.7529

■ 60.4480, 64.4230,
101.3454

■ 38.0644, 39.2616,
97.6685

■ 70.5591, 75.0524,
102.8641

■ 33.0154, 32.9555,
96.7174

■ 82.1000, 86.8752,
104.5379

■ 29.0332, 27.5976,
95.8931

■ 94.4603, 99.5872,
106.3401

■ 26.0149, 23.1214,
95.1882

94.5709, 99.8083,
106.3770

■ 23.8222, 19.4418,
94.5935

■ 23.4623, 18.8111,
94.4908

Harmonies

Analogous

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



46.1723, 54.9430, 92.7866



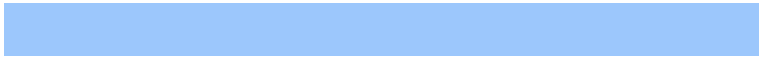
51.7044, 54.9430, 99.9754



57.8103, 54.9430, 94.7925

Triad

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



51.7044, 54.9430, 99.9754



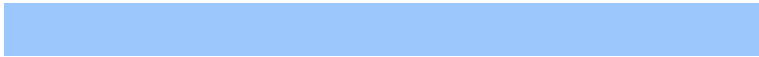
63.3179, 54.9430, 45.6519



42.9581, 54.9430, 43.5357

Complementary

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



51.7044, 54.9430, 99.9754



68.9474, 68.6981, 41.0805

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.



47.0053, 54.9430, 34.7250



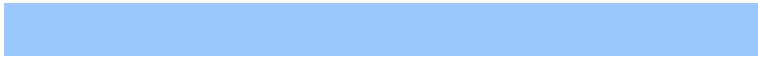
51.7044, 54.9430, 99.9754



58.7776, 54.9430, 35.7696

Square

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



51.7044, 54.9430, 99.9754



64.8168, 54.9430, 61.3223



52.7424, 54.9430, 32.1831



41.3740, 54.9430, 58.3495

Rectangle

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



51.7044, 54.9430, 99.9754



61.3345, 54.9430, 85.4859



52.7424, 54.9430, 32.1831



44.0594, 54.9430, 39.8917

Sweetspot

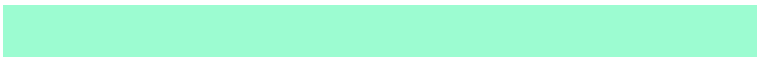
The Sweet Spot groups the original color and five complimentary colors.



51.7062, 54.9451, 99.9767



80.7300, 85.5773, 106.8709



60.0061, 81.2836, 72.7202



16.9292, 17.9593, 22.8242



0.0000, 0.0000, 0.0000



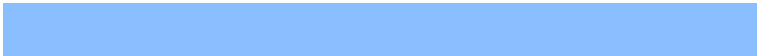
20.3446, 21.4041, 23.3091

Same Dimension

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



51.7062, 54.9451, 99.9767



46.9474, 49.5292, 101.6934



44.1186, 38.3635, 97.1760



16.9231, 17.9231, 21.9529



12.3638, 10.0832, 49.2682



1.2492, 1.1420, 4.5978

Inverse Universe

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



62.3437, 48.5977, 60.1293



59.6062, 43.0793, 54.0271



79.2407, 91.8328, 45.0035



17.5677, 17.3545, 19.5795



22.5327, 11.4288, 9.5137



2.1394, 1.0795, 1.1577

Previews

White Background



This preview shows how the XYZ color 51.7044, 54.9430, 99.9754 looks on a white background.

Color Contrast Check

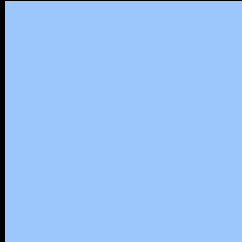
Large Text (above 18pt) WCAG AA × Fail

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 51.7044, 54.9430, 99.9754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

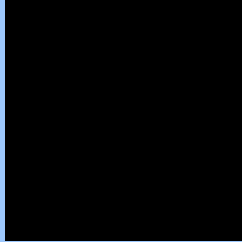
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

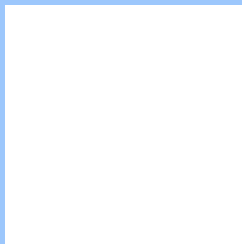
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.7044, 54.9430, 99.9754

Background



This preview shows how black text looks on a background with the XYZ color 51.7044, 54.9430, 99.9754.



This preview shows how white text looks on a background with the XYZ color 51.7044, 54.9430,

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

51.7044, 54.9430, 99.9754

Protanopia

55.0693, 54.7410, 96.4705

Deuteranopia

56.2675, 54.9223, 101.4014



Tritanopia

47.0952, 55.1790, 76.5750

Trichromacy



Original Color

51.7044, 54.9430, 99.9754

Protanomaly

53.6272, 54.6404, 97.3427

Deuteranomaly

54.4783, 55.0063, 100.6745

Tritanomaly

48.6839, 55.1174, 84.4167

Monochromacy



Original Color

51.7044, 54.9430, 99.9754

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

50.2431, 53.4690, 71.2908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7044, 54.9430, 99.9754 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(156, 199, 252)` looks like.

```
.text, #text, p{  
    color:rgb(156, 199, 252)  
}
```

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(156, 199, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 199, 252) }
```

Border

The CSS property to change the border of an element to XYZ 51.7044, 54.9430, 99.9754 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(156, 199, 252) }
```


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

```
.border{ border-color:rgb(156, 199, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 199, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 199, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 199, 252); box-shadow:4px 4px 4px 4px rgb(156, 199, 252) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7044, 54.9430, 99.9754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 199, 252) }
```

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

```
.background{ background-color: rgb(156,  
199, 252) }
```

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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