

# Converting Colors

XYZ(51.4991, 54.6168,  
102.4355)

Have a look what the booklet for  
XYZ(51.4991, 54.6168, 102.4355)  
contains.

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# **Color**

**XYZ(51.6103, 54.8392,  
102.4726)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99C7FF
RGB	153, 199, 255
RGB Percent	60%, 78%, 100%
CMY	0.4000, 0.2196, 0.0000
CMYK	0.40, 0.22, 0.00, 0.00
HSL	213°, 100%, 80%
HSV	213°, 40%, 100%
XYZ	51.6103, 54.8392, 102.4726
YIQ	191.6300, -45.3920, 7.6640

# Conversions

## Conversions Part 2

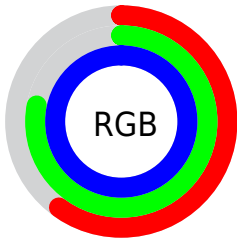
Format	Color
R <sub>Y</sub> B	153, 185, 255
Decimal	10078207
CIE Lab	78.95, -1.35, -32.29
CIE LCh	79, 32.319, 267.612
Yxy	54.8392, 0.2470, 0.2625
Android (android.graphics.Color)	4288268287 (0xFF99C7FF)
YUV	191.6300, 31.2414, -33.8785
Hunter-Lab	74.0535, -5.1911, -30.2060

# Details

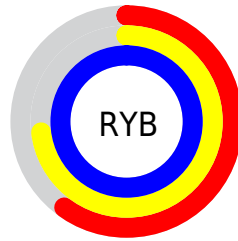
The XYZ color **51.6103, 54.8392, 102.4726** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.7908, 69.1614, 39.8100**, and the grayscale version is **49.7316, 52.3215, 56.9781**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **25.2482, 26.8694, 57.2817** is the 20% darker color. If you saturate the color by 10%, you get **44.2275, 46.4704, 101.2464**, and if you desaturate by 10%, it is **60.3211, 64.3349, 103.8464**.

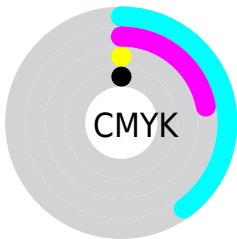
# Distribution



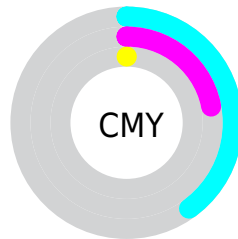
- Red (60%)
- Green (78%)
- Blue (100%)



- Red (60%)
- Yellow (73%)
- Blue (100%)



- Cyan (40%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (22%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6103, 54.8392, 102.4726 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 51.6103, 54.8392, 102.4726 by changing the saturation by 10% instead.



■ 51.6103, 54.8392,  
102.4726

■ 51.6103, 54.8392,  
102.4726

383.2790,  
405.3021, 589.4055

■ 36.9176, 39.2730,  
77.7388

■ 91.7339, 97.3053,  
166.6324

■ 25.3170, 26.9722,  
57.3442

■ 117.8955,  
124.9740, 206.8954

■ 16.4434, 17.5523,  
40.8705

148.6107,  
157.4457, 253.1719

■ 9.9313, 10.6291,  
27.8989

184.2449,  
195.1047, 305.8805

■ 5.4153, 5.8180,  
18.0111

225.1635,  
238.3354, 365.4395

■ 2.5302, 2.7347,  
10.7884

271.7318,

■ 0.9105, 0.9949,

287.5223, 432.2677

5.8124

324.3152,  
343.0498, 506.7835

■ 0.0000, 0.0000,  
2.6644

■ 0.0000, 0.0000,  
0.9254

■ 51.6103, 54.8392,  
102.4726

■ 51.6103, 54.8392,  
102.4726

■ 44.2275, 46.4704,  
101.2464

■ 60.3211, 64.3349,  
103.8464

■ 38.0937, 39.1724,  
100.1610

■ 70.4229, 74.9978,  
105.3721

■ 33.1284, 32.8927,  
99.2106

■ 81.9804, 86.8733,  
107.0551

■ 29.2386, 27.5703,  
98.3883

95.0500, 100.0000,  
108.9000

■ 26.3144, 23.1350,  
97.6863

■ 24.1814, 19.4827,  
97.0938

■ 24.1811, 19.4821,  
97.0937

# Harmonies

## Analogous

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



45.7845, 54.8392, 94.8295



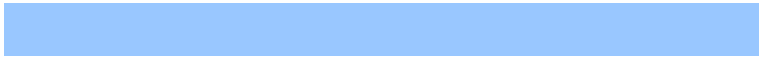
51.6103, 54.8392, 102.4726



58.0584, 54.8392, 96.8490

# Triad

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



51.6103, 54.8392, 102.4726



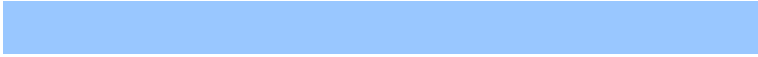
63.8484, 54.8392, 44.7735



42.3754, 54.8392, 42.7003

# Complementary

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



51.6103, 54.8392, 102.4726



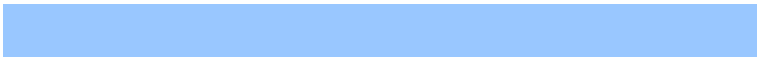
69.7908, 69.1614, 39.8100

# 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.



46.6066, 54.8392, 33.5361



51.6103, 54.8392, 102.4726



59.0210, 54.8392, 34.5490

# Square

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



51.6103, 54.8392, 102.4726



65.4597, 54.8392, 61.1959



52.6391, 54.8392, 30.8880



40.7332, 54.8392, 58.2494



# Rectangle

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



51.6103, 54.8392, 102.4726



61.7859, 54.8392, 86.8652



52.6391, 54.8392, 30.8880



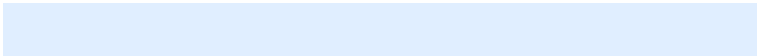
43.5241, 54.8392, 38.9020

# Sweetspot

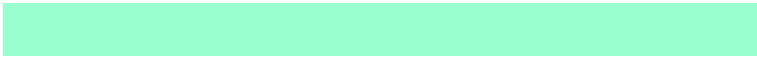
The Sweet Spot groups the original color and five complimentary colors.



51.6119, 54.8412, 102.4729



79.5475, 84.3971, 106.7054



60.2094, 82.8174, 72.1015



16.6936, 17.7243, 22.7912



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

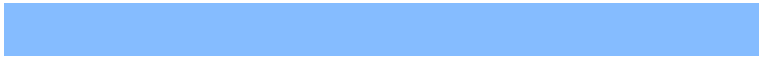


# Same Dimension

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



51.6119, 54.8412, 102.4729



45.6006, 48.0557, 101.4800



43.2306, 37.1122, 99.4926



17.6776, 18.7269, 22.9329



12.7795, 10.4685, 50.7817



1.3516, 1.2339, 4.9802



# Inverse Universe

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



62.9412, 48.1676, 60.0149



58.6286, 41.5480, 52.3943



81.5103, 94.4409, 44.0718



18.3499, 18.1233, 20.4599



23.2387, 11.7848, 9.9073

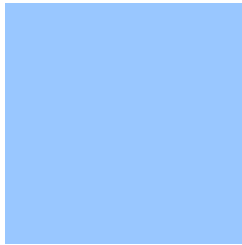


2.3168, 1.1691, 1.2498



# Previews

## White Background



This preview shows how the XYZ color 51.6103, 54.8392, 102.4726 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 51.6103, 54.8392, 102.4726 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

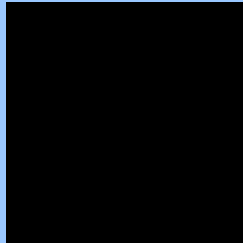
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

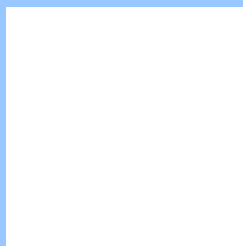
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.6103, 54.8392, 102.4726

## Background



This preview shows how black text looks on a background with the XYZ color 51.6103, 54.8392, 102.4726.



This preview shows how white text looks on a background with the XYZ color 51.6103, 54.8392,



# 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

51.6103, 54.8392, 102.4726

### Protanopia

55.1477, 54.7454, 98.1028

### Deuteranopia

55.9557, 54.7430, 102.2250



## Tritanopia

46.3841, 54.8124, 76.5418

# Trichromacy



## Original Color

51.6103, 54.8392, 102.4726

## Protanomaly

53.6634, 54.6045, 99.8068

## Deuteranomaly

54.3597, 54.9081, 102.3410

## Tritanomaly

48.0965, 54.7981, 85.1329

# Monochromacy



## Original Color

51.6103, 54.8392, 102.4726

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

50.1409, 53.4015, 71.9548

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.6103, 54.8392, 102.4726 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(153, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 199, 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(153, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 199, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 51.6103, 54.8392, 102.4726 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(153, 199, 255) }
```



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

```
.border{ border-color:rgb(153, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 199,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.6103, 54.8392, 102.4726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 199, 255) }
```

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

```
.background{ background-color: rgb(153,  
199, 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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