

Converting Colors

XYZ(51.0021, 53.6227,
102.2699)

Have a look what the booklet for
XYZ(51.0021, 53.6227, 102.2699)
contains.

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Color

**XYZ(50.9268, 53.4722,
102.2448)**

Conversions

Conversions Part 1

Format	Color
Hex	99C4FF
RGB	153, 196, 255
RGB Percent	60%, 77%, 100%
CMY	0.4000, 0.2314, 0.0000
CMYK	0.40, 0.23, 0.00, 0.00
HSL	215°, 100%, 80%
HSV	215°, 40%, 100%
XYZ	50.9268, 53.4722, 102.2448
YIQ	189.8690, -44.5670, 9.2330

Conversions

Conversions Part 2

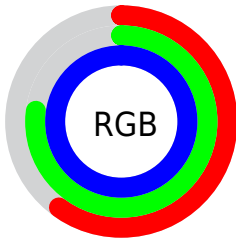
Format	Color
RYB	153, 183, 255
Decimal	10077439
CIELab	78.15, 0.27, -33.52
CIELCh	78, 33.518, 270.469
Yxy	53.4722, 0.2464, 0.2588
Android (android.graphics.Color)	4288267519 (0xFF99C4FF)
YUV	189.8690, 32.1096, -32.3341
Hunter-Lab	73.1247, -3.6540, -31.7135

Details

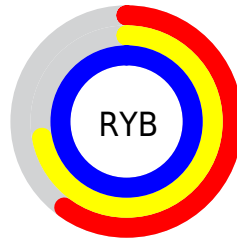
The XYZ color **50.9268, 53.4722, 102.2448** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.5338, 70.6474, 40.0577**, and the grayscale version is **48.7091, 51.2458, 55.8067**.

A 20% lighter version of the original color is **79.4387, 90.5424, 107.8973**, and **24.7958, 25.9646, 57.1309** is the 20% darker color. If you saturate the color by 10%, you get **43.4532, 44.9219, 100.9883**, and if you desaturate by 10%, it is **59.7590, 63.2108, 103.6590**.

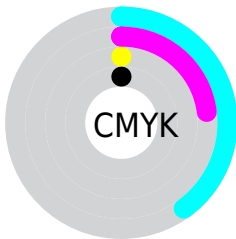
Distribution



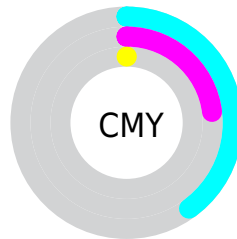
- Red (60%)
- Green (77%)
- Blue (100%)



- Red (60%)
- Yellow (72%)
- Blue (100%)



- Cyan (40%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9268, 53.4722, 102.2448 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 50.9268, 53.4722, 102.2448 by changing the saturation by 10% instead.

■ 50.9268, 53.4722,
102.2448

■ 50.9268, 53.4722,
102.2448

380.6717,
400.0941, 588.6740

■ 36.3712, 38.1799,
77.5493

■ 90.7302, 95.2988,
166.3174

■ 24.8924, 26.1223,
57.1896

■ 116.7087,
122.6019, 206.5315

■ 16.1252, 16.9152,
40.7471

147.2255,
154.6774, 252.7555

■ 9.7042, 10.1740,
27.8033

182.6459,
191.9096, 305.4081

■ 5.2640, 5.5145,
17.9397

223.3354,
234.6830, 364.9077

■ 2.4393, 2.5522,
10.7377

269.6593,

■ 0.8648, 0.9027,

283.3820, 431.6728

5.7788

321.9829,
338.3909, 506.1221

■ 0.0000, 0.0000,
2.6444

■ 0.0000, 0.0000,
0.9153

■ 50.9268, 53.4722,
102.2448

■ 50.9268, 53.4722,
102.2448

■ 43.4532, 44.9219,
100.9883

■ 59.7590, 63.2108,
103.6590

■ 37.2580, 37.5011,
99.8825

■ 70.0144, 74.1808,
105.2359

■ 32.2591, 31.1540,
98.9208

■ 81.7588, 86.4302,
106.9813

■ 28.3618, 25.8165,
98.0960

95.0500, 100.0000,
108.9000

■ 25.4543, 21.4148,
97.3996

■ 23.3605, 17.8410,
96.8202

■ 23.3602, 17.8405,
96.8201

Harmonies

Analogous

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



44.8659, 53.4722, 95.5771



50.9268, 53.4722, 102.2448



57.4803, 53.4722, 95.1671

Triad

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



50.9268, 53.4722, 102.2448



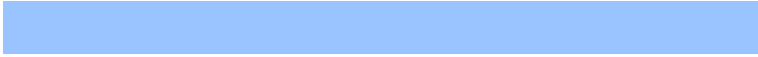
62.4686, 53.4722, 41.7825



40.6353, 53.4722, 42.1935

Complementary

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



50.9268, 53.4722, 102.2448



70.5338, 70.6474, 40.0577

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.



44.7020, 53.4722, 32.3412



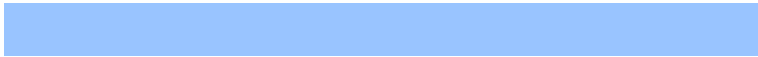
50.9268, 53.4722, 102.2448



57.2869, 53.4722, 32.1423

Square

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



50.9268, 53.4722, 102.2448



64.4848, 53.4722, 57.9276



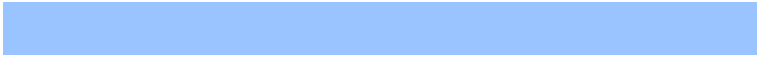
50.7208, 53.4722, 29.0920



39.2426, 53.4722, 58.5176

Rectangle

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



50.9268, 53.4722, 102.2448



61.1682, 53.4722, 84.3267



50.7208, 53.4722, 29.0920



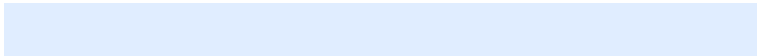
41.7167, 53.4722, 38.1514

Sweetspot

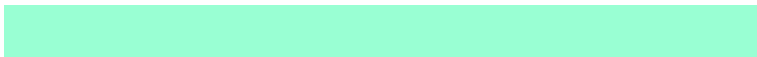
The Sweet Spot groups the original color and five complimentary colors.



50.9284, 53.4742, 102.2451



79.2858, 83.8737, 106.6182



60.6307, 82.9859, 74.3202



16.6321, 17.6014, 22.7708



0.0000, 0.0000, 0.0000



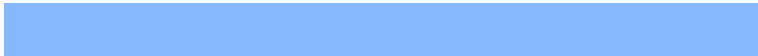
20.3446, 21.4041, 23.3091

Same Dimension

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



50.9284, 53.4742, 102.2451



44.8421, 46.5387, 101.2272



43.9000, 37.4573, 99.5239



17.6324, 18.6363, 22.9178



12.3463, 9.6022, 50.6373



1.3074, 1.1455, 4.9655

Inverse Universe

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



62.5961, 48.0296, 58.1981



58.2457, 41.3949, 50.3782



80.2926, 93.8131, 44.0147



18.3271, 18.1141, 20.3396



23.0200, 11.6973, 8.7559



2.2945, 1.1602, 1.1324

Previews

White Background



This preview shows how the XYZ color 50.9268, 53.4722, 102.2448 looks on a white background.

Color Contrast Check

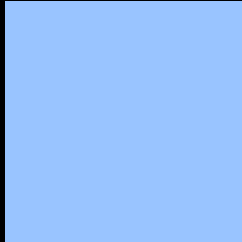
Large Text (above 18pt) WCAG AA × Fail

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 50.9268, 53.4722, 102.2448 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

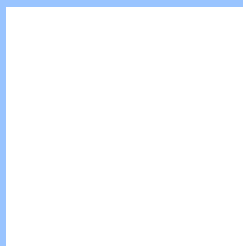
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.9268, 53.4722, 102.2448

Background



This preview shows how black text looks on a background with the XYZ color 50.9268, 53.4722, 102.2448.



This preview shows how white text looks on a background with the XYZ color 50.9268, 53.4722,

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

50.9268, 53.4722, 102.2448

Protanopia

53.9575, 53.1391, 98.6798

Deuteranopia

54.5949, 53.3940, 102.0364



Tritanopia

45.6437, 53.7556, 74.9880

Trichromacy



Original Color

50.9268, 53.4722, 102.2448

Protanomaly

52.5688, 53.0524, 99.5649

Deuteranomaly

53.0481, 53.2441, 102.0889

Tritanomaly

47.2524, 53.3378, 84.1487

Monochromacy



Original Color

50.9268, 53.4722, 102.2448

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.1187, 51.9014, 71.0475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9268, 53.4722, 102.2448 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, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 196, 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, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.9268, 53.4722, 102.2448 is called "border". The border property can be set on classes, ids or directly on the HTML element.

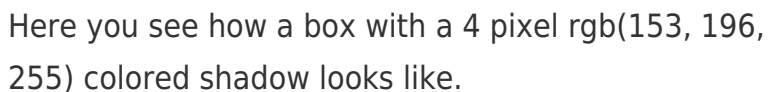
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 196, 255) }
```


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

```
.border{ border-color:rgb(153, 196, 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, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 196, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 196, 255); box-shadow:4px 4px 4px 4px rgb(153, 196, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9268, 53.4722, 102.2448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 196, 255) }
```

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

```
.background{ background-color: rgb(153,  
196, 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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