

Converting Colors

XYZ(50.8345, 53.9941,
102.3504)

Have a look what the booklet for
XYZ(50.8345, 53.9941, 102.3504)
contains.

XYZ(50.8218, 54.0922, 102.3700)	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(50.8218, 54.0922,
102.3700)**

Conversions

Conversions Part 1

Format	Color
Hex	96C6FF
RGB	150, 198, 255
RGB Percent	59%, 78%, 100%
CMY	0.4117, 0.2235, 0.0000
CMYK	0.41, 0.22, 0.00, 0.00
HSL	213°, 100%, 79%
HSV	213°, 41%, 100%
XYZ	50.8218, 54.0922, 102.3700
YIQ	190.1460, -46.9050, 7.5510

Conversions

Conversions Part 2

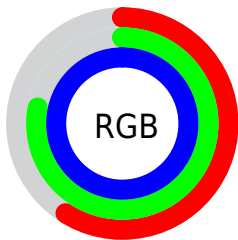
Format	Color
R _Y B	150, 183, 255
Decimal	9881343
CIE Lab	78.52, -1.57, -32.97
CIE LCh	79, 33.010, 267.278
Yxy	54.0922, 0.2452, 0.2610
Android (android.graphics.Color)	4288071423 (0xFF96C6FF)
YUV	190.1460, 31.9730, -35.2080
Hunter-Lab	73.5474, -5.3631, -31.0421

Details

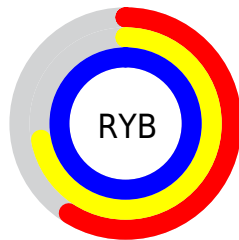
The XYZ color **50.8218, 54.0922, 102.3700** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.0586, 68.0886, 38.3589**, and the grayscale version is **48.8701, 51.4151, 55.9911**.

A 20% lighter version of the original color is **79.5421, 92.0054, 108.1742**, and **24.7824, 26.4034, 57.2163** is the 20% darker color. If you saturate the color by 10%, you get **43.6092, 45.8905, 101.1671**, and if you desaturate by 10%, it is **59.3477, 63.4025, 103.7177**.

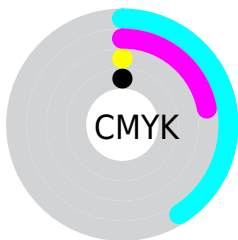
Distribution



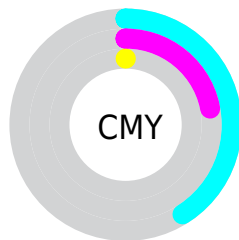
- Red (59%)
- Green (78%)
- Blue (100%)



- Red (59%)
- Yellow (72%)
- Blue (100%)



- Cyan (41%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8218, 54.0922, 102.3700 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 50.8218, 54.0922, 102.3700 by changing the saturation by 10% instead.

■ 50.8218, 54.0922,
102.3700

■ 50.8218, 54.0922,
102.3700

380.2701,
402.4615, 589.0761

■ 36.2873, 38.6754,
77.6534

■ 90.5759, 96.2096,
166.4905

■ 24.8273, 26.5073,
57.2746

■ 116.5261,
123.6790, 206.7315

■ 16.0765, 17.2035,
40.8149

147.0123,
155.9347, 252.9844

■ 9.6695, 10.3797,
27.8559

182.3998,
193.3611, 305.6677

■ 5.2409, 5.6514,
17.9789

223.0540,
236.3425, 365.2000

■ 2.4255, 2.6343,
10.7656

269.3402,

■ 0.8579, 0.9439,

285.2635, 431.9998

5.7972

321.6238,
340.5084, 506.4857

■ 0.0000, 0.0000,
2.6554

■ 0.0000, 0.0000,
0.9209

■ 50.8218, 54.0922,
102.3700

■ 50.8218, 54.0922,
102.3700

■ 43.6092, 45.8905,
101.1671

■ 59.3477, 63.4025,
103.7177

■ 37.6305, 38.7417,
100.1023

■ 69.2505, 73.8617,
105.2146

■ 32.8044, 32.5930,
99.1698

■ 80.5949, 85.5151,
106.8660

■ 29.0365, 27.3833,
98.3628

■ 93.4402, 98.4034,
108.6767

■ 26.2147, 23.0416,
97.6735

95.0500, 100.0000,
108.9000

■ 24.3616, 19.8433,
97.1539

Harmonies

Analogous

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



44.9490, 54.0922, 94.4318



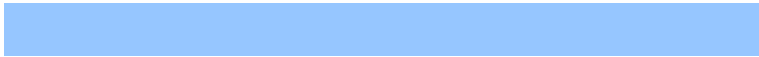
50.8218, 54.0922, 102.3700



57.3560, 54.0922, 96.7794

Triad

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



50.8218, 54.0922, 102.3700



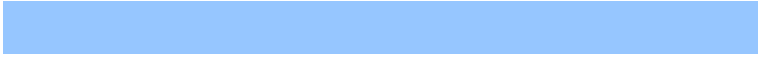
63.3397, 54.0922, 43.9694



41.5994, 54.0922, 41.5908

Complementary

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



50.8218, 54.0922, 102.3700



69.0586, 68.0886, 38.3589

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.



45.8954, 54.0922, 32.4695



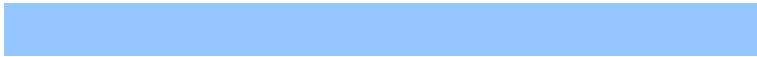
50.8218, 54.0922, 102.3700



58.4688, 54.0922, 33.6257

Square

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



50.8218, 54.0922, 102.3700



64.9339, 54.0922, 60.6133



52.0088, 54.0922, 29.8919



39.9128, 54.0922, 57.2138

Rectangle

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



50.8218, 54.0922, 102.3700



61.1516, 54.0922, 86.6696



52.0088, 54.0922, 29.8919



42.7674, 54.0922, 37.7990

Sweetspot

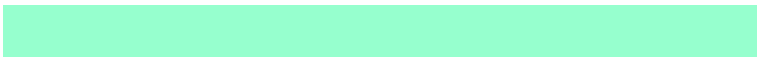
The Sweet Spot groups the original color and five complimentary colors.



50.8234, 54.0942, 102.3703



79.6024, 84.5070, 106.7237



59.4794, 82.4608, 71.1756



16.7065, 17.7502, 22.7955



0.0000, 0.0000, 0.0000



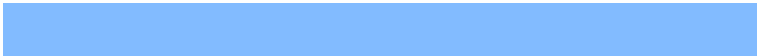
20.3446, 21.4041, 23.3091

Same Dimension

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



50.8234, 54.0942, 102.3703



45.0702, 47.5829, 101.4167



42.1895, 35.8558, 99.3050



17.6871, 18.7458, 22.9360



12.8746, 10.6588, 50.8134



1.3612, 1.2531, 4.9834

Inverse Universe

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



62.3406, 47.1516, 59.2435



58.2172, 40.8337, 51.9229



81.2295, 94.3244, 42.7814



18.3547, 18.1252, 20.4851



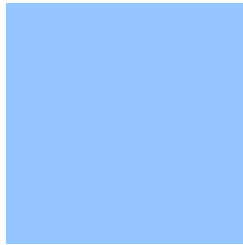
23.2867, 11.8040, 10.1602



2.3217, 1.1710, 1.2754

Previews

White Background



This preview shows how the XYZ color 50.8218, 54.0922, 102.3700 looks on a white background.

Color Contrast Check

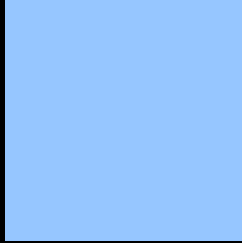
Large Text (above 18pt) WCAG AA × Fail

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 50.8218, 54.0922, 102.3700 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

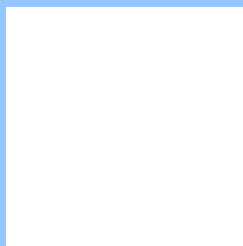
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.8218, 54.0922, 102.3700

Background



This preview shows how black text looks on a background with the XYZ color 50.8218, 54.0922, 102.3700.



This preview shows how white text looks on a background with the XYZ color 50.8218, 54.0922,

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

50.8218, 54.0922, 102.3700

Protanopia

54.2462, 53.6287, 97.9348

Deuteranopia

55.0409, 53.9466, 102.1195



Tritanopia

45.6285, 54.0689, 76.4381

Trichromacy



Original Color

50.8218, 54.0922, 102.3700

Protanomaly

53.0109, 53.9367, 99.7123

Deuteranomaly

53.4902, 54.1284, 102.2363

Tritanomaly

47.3301, 54.0535, 85.0296

Monochromacy



Original Color

50.8218, 54.0922, 102.3700

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.8868, 52.1089, 71.0997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8218, 54.0922, 102.3700 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(150, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 198, 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(150, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 198, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.8218, 54.0922, 102.3700 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(150, 198, 255) }
```


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

```
.border{ border-color:rgb(150, 198, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 198,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8218, 54.0922, 102.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 198, 255) }
```

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

```
.background{ background-color: rgb(150,  
198, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor