

Converting Colors

XYZ(54.3776, 52.7804,
116.5584)

Have a look what the booklet for
XYZ(54.3776, 52.7804, 116.5584)
contains.

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Color

**XYZ(51.5574, 51.5077,
101.8324)**

Conversions

Conversions Part 1

Format	Color
Hex	A4BDFF
RGB	164, 189, 255
RGB Percent	64%, 74%, 100%
CMY	0.3568, 0.2588, 0.0000
CMYK	0.36, 0.26, 0.00, 0.00
HSL	224°, 100%, 82%
HSV	224°, 36%, 100%
XYZ	51.5574, 51.5077, 101.8324
YIQ	189.0490, -36.0860, 15.2260

Conversions

Conversions Part 2

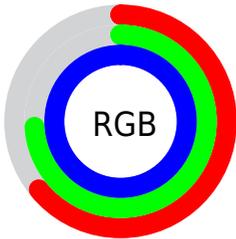
Format	Color
RYB	164, 184, 255
Decimal	10796543
CIELab	76.99, 6.98, -35.27
CIELCh	77, 35.950, 281.188
Yxy	51.5077, 0.2516, 0.2514
Android (android.graphics.Color)	4288986623 (0xFFA4BDFF)
YUV	189.0490, 32.5138, -21.9680
Hunter-Lab	71.7689, 2.6355, -33.8880

Details

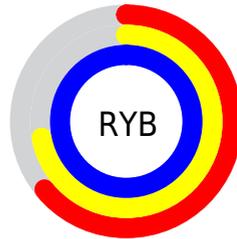
The XYZ color **51.5574, 51.5077, 101.8324** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.2381, 80.5342, 46.6502**, and the grayscale version is **48.2339, 50.7458, 55.2622**.

A 20% lighter version of the original color is **80.5212, 87.8970, 107.3296**, and **25.3039, 24.9367, 56.9057** is the 20% darker color. If you saturate the color by 10%, you get **43.0851, 41.6071, 100.3679**, and if you desaturate by 10%, it is **61.5951, 62.9706, 103.5159**.

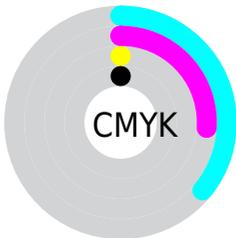
Distribution



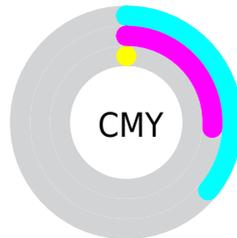
- Red (64%)
- Green (74%)
- Blue (100%)



- Red (64%)
- Yellow (72%)
- Blue (100%)



- Cyan (36%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5574, 51.5077, 101.8324 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 51.5574, 51.5077, 101.8324 by changing the saturation by 10% instead.

■ 51.5574, 51.5077,
101.8324

■ 51.5574, 51.5077,
101.8324

383.0776,
392.5331, 587.3485

■ 36.8752, 36.6128,
77.2063

■ 91.6563, 92.4048,
165.7468

■ 25.2841, 24.9079,
56.9097

■ 117.8037,
119.1758, 205.8723

■ 16.4187, 16.0084,
40.5238

148.5036,
150.6743, 252.0013

■ 9.9137, 9.5301,
27.6303

184.1213,
187.2847, 304.5524

■ 5.4036, 5.0885,
17.8106

225.0222,
229.3914, 363.9441

■ 2.5231, 2.2993,
10.6460

271.5717,

■ 0.9069, 0.7733,

277.3788, 430.5950

5.7182

324.1350,
331.6312, 504.9236

■ 0.0000, 0.0000,
2.6085

■ 0.0000, 0.0000,
0.8968

■ 51.5574, 51.5077,
101.8324

■ 51.5574, 51.5077,
101.8324

■ 43.0851, 41.6071,
100.3679

■ 61.5951, 62.9706,
103.5159

■ 36.0912, 33.1923,
99.1123

■ 73.2696, 76.0560,
105.4263

■ 30.4867, 26.1885,
98.0558

■ 86.6537, 90.8280,
107.5722

■ 26.1706, 20.5117,
97.1876

95.0500, 100.0000,
108.9000

■ 23.0268, 16.0674,
96.4954

■ 20.9151, 12.7453,
95.9655

■ 20.2437, 11.6075,
95.7812

Harmonies

Analogous

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



44.8303, 51.5077, 99.9124



51.5574, 51.5077, 101.8324



58.1543, 51.5077, 89.5358

Triad

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



51.5574, 51.5077, 101.8324



59.5544, 51.5077, 34.7262



37.5155, 51.5077, 44.7760

Complementary

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



51.5574, 51.5077, 101.8324



76.2381, 80.5342, 46.6502

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.



40.7836, 51.5077, 32.2128



51.5574, 51.5077, 101.8324



53.3284, 51.5077, 27.4146

Square

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



51.5574, 51.5077, 101.8324



63.0501, 51.5077, 49.0765



46.4446, 51.5077, 26.6168



37.1372, 51.5077, 63.7268

Rectangle

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



51.5574, 51.5077, 101.8324



61.4302, 51.5077, 76.3010



46.4446, 51.5077, 26.6168



38.2972, 51.5077, 39.7950

Sweetspot

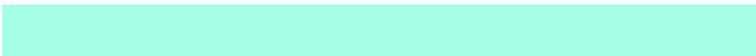
The Sweet Spot groups the original color and five complimentary colors.



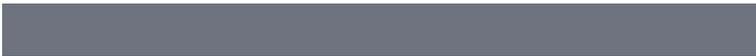
51.5590, 51.5096, 101.8326



79.3228, 82.7628, 106.4018



65.2439, 85.0822, 87.2720



16.5950, 17.2910, 22.7128



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.



51.5590, 51.5096, 101.8326



45.2113, 44.1166, 100.7402



51.0262, 43.9280, 100.3973



17.4091, 18.1898, 22.8434



10.6839, 6.2773, 50.0831



1.1268, 0.7844, 4.9053

Inverse Universe

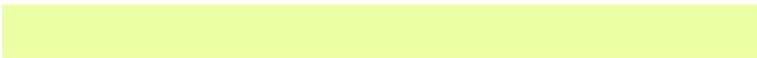
The Inverse Universe completely reimagines the original color for something new.



63.7018, 51.4865, 54.7265



59.2035, 44.7318, 46.3160



76.8160, 91.9110, 48.8157



18.2144, 18.0691, 19.7461



22.1809, 11.3617, 4.3372



2.2034, 1.1237, 0.6524

Previews

White Background



This preview shows how the XYZ color 51.5574, 51.5077, 101.8324 looks on a white background.

Color Contrast Check

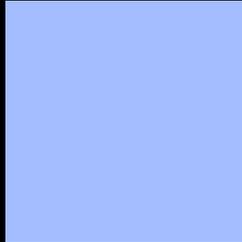
Large Text (above 18pt) WCAG AA × Fail

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 51.5574, 51.5077, 101.8324 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 51.5574, 51.5077, 101.8324

Background



This preview shows how black text looks on a background with the XYZ color 51.5574, 51.5077, 101.8324.



This preview shows how white text looks on a background with the XYZ color 51.5574, 51.5077,

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

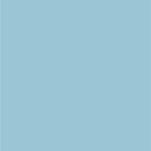
51.5574, 51.5077, 101.8324

Protanopia

52.4543, 51.3543, 100.9137

Deuteranopia

52.6149, 51.4186, 101.7594



Tritanopia

45.3029, 51.6066, 70.5241

Trichromacy



Original Color

51.5574, 51.5077, 101.8324

Protanomaly

52.0211, 51.4470, 100.9544

Deuteranomaly

52.1817, 51.5113, 101.8001

Tritanomaly

47.3959, 51.4541, 80.8324

Monochromacy



Original Color

51.5574, 51.5077, 101.8324

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.0302, 50.9026, 70.1918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5574, 51.5077, 101.8324 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(164, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 189, 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(164, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 189, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.5574, 51.5077, 101.8324 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(164, 189, 255) }
```

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

```
.border{ border-color:rgb(164, 189, 255) }
```

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

Here you see how a box with a 4 pixel rgb(164, 189, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 189,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5574, 51.5077, 101.8324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 189, 255) }
```

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

```
.background{ background-color: rgb(164,  
189, 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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