

Converting Colors

XYZ(51.3414, 49.3897,
101.6035)

Have a look what the booklet for
XYZ(51.3414, 49.3897, 101.6035)
contains.

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Color

**XYZ(51.3457, 49.5220,
101.4602)**

Conversions

Conversions Part 1

Format	Color
Hex	A9B7FF
RGB	169, 183, 255
RGB Percent	66%, 72%, 100%
CMY	0.3372, 0.2823, 0.0000
CMYK	0.34, 0.28, 0.00, 0.00
HSL	230°, 100%, 83%
HSV	230°, 34%, 100%
XYZ	51.3457, 49.5220, 101.4602
YIQ	187.0220, -31.4560, 19.4240

Conversions

Conversions Part 2

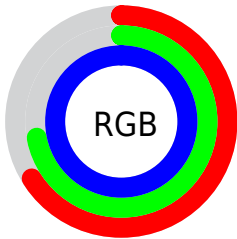
Format	Color
RYB	169, 181, 255
Decimal	11122687
CIELab	75.77, 11.63, -37.12
CIELCh	76, 38.896, 287.405
Yxy	49.5220, 0.2538, 0.2448
Android (android.graphics.Color)	4289312767 (0xFFA9B7FF)
YUV	187.0220, 33.5132, -15.8053
Hunter-Lab	70.3719, 7.0889, -36.2224

Details

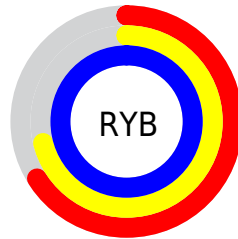
The XYZ color **51.3457, 49.5220, 101.4602** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.8573, 87.0357, 50.1287**, and the grayscale version is **47.0775, 49.5292, 53.9373**.

A 20% lighter version of the original color is **80.2805, 85.1218, 106.8066**, and **25.1151, 23.6199, 56.6615** is the 20% darker color. If you saturate the color by 10%, you get **42.3247, 38.8239, 99.8707**, and if you desaturate by 10%, it is **62.1044, 62.1095, 103.3228**.

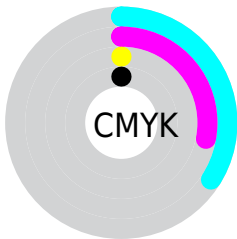
Distribution



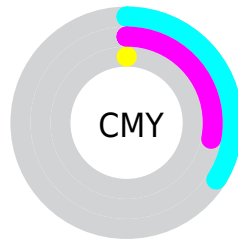
- Red (66%)
- Green (72%)
- Blue (100%)



- Red (66%)
- Yellow (71%)
- Blue (100%)



- Cyan (34%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3457, 49.5220, 101.4602 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 51.3457, 49.5220, 101.4602 by changing the saturation by 10% instead.

■ 51.3457, 49.5220,
101.4602

■ 51.3457, 49.5220,
101.4602

382.2710,
384.7937, 586.1507

■ 36.7060, 35.0337,
76.8969

■ 91.3455, 89.4662,
165.2317

■ 25.1525, 23.6889,
56.6572

117.4363,
115.6910, 205.2770

■ 16.3201, 15.1030,
40.3226

148.0749,
146.5968, 251.3201

■ 9.8432, 8.8917,
27.4744

183.6265,
182.5679, 303.7795

■ 5.3566, 4.6706,
17.6943

224.4566,
223.9887, 363.0737

■ 2.4949, 2.0553,
10.5636

270.9304,

■ 0.8927, 0.6393,

271.2437, 429.6213

5.6637

323.4134,
324.7172, 503.8408

■ 0.0000, 0.0000,
2.5762

■ 0.0000, 0.0000,
0.8802

■ 51.3457, 49.5220,
101.4602

■ 51.3457, 49.5220,
101.4602

■ 42.3247, 38.8239,
99.8707

■ 62.1044, 62.1095,
103.3228

■ 34.9446, 29.9175,
98.5406

■ 74.6815, 76.6665,
105.4697

■ 29.1059, 22.7048,
97.4562

■ 89.1583, 93.2753,
107.9125

■ 24.6961, 17.0756,
96.6020

■ 95.0500, 100.0000,
108.9000

■ 21.5870, 12.9065,
95.9612

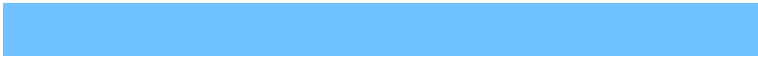
■ 19.6257, 10.0541,
95.5140

■ 18.8608, 8.8415,
95.3203

Harmonies

Analogous

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



44.1060, 49.5220, 102.7824



51.3457, 49.5220, 101.4602



58.0480, 49.5220, 85.5595

Triad

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



51.3457, 49.5220, 101.4602



57.1055, 49.5220, 29.6262



34.7776, 49.5220, 45.7067

Complementary

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



51.3457, 49.5220, 101.4602



79.8573, 87.0357, 50.1287

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.



37.5701, 49.5220, 31.2376



51.3457, 49.5220, 101.4602



50.1621, 49.5220, 23.6793

Square

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



51.3457, 49.5220, 101.4602



61.5998, 49.5220, 42.8798



43.0370, 49.5220, 24.1819



35.0246, 49.5220, 66.7114

Rectangle

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



51.3457, 49.5220, 101.4602



61.0868, 49.5220, 70.6872



43.0370, 49.5220, 24.1819



35.3789, 49.5220, 40.0407

Sweetspot

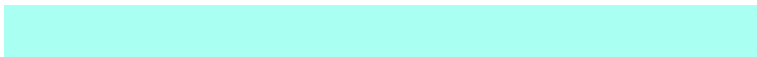
The Sweet Spot groups the original color and five complimentary colors.



51.3472, 49.5238, 101.4605



79.8465, 82.6076, 106.3442



67.9506, 86.2865, 96.0324



16.6665, 17.1943, 22.6904



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.



51.3472, 49.5238, 101.4605



45.4876, 42.5938, 100.4317



55.4403, 47.5583, 100.8654



17.2418, 17.8553, 22.7876



9.9250, 4.7596, 49.8302



1.0310, 0.5926, 4.8733

Inverse Universe

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



63.9763, 53.0565, 51.6706



59.8496, 46.9298, 43.7384



74.3909, 90.6076, 51.1063



18.1300, 18.0353, 19.3015



21.7979, 11.2084, 2.3202



2.1550, 1.1044, 0.3976

Previews

White Background



This preview shows how the XYZ color 51.3457, 49.5220, 101.4602 looks on a white background.

Color Contrast Check

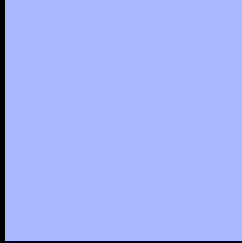
Large Text (above 18pt) WCAG AA × Fail

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 51.3457, 49.5220, 101.4602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

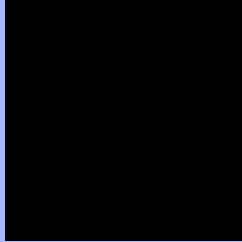
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3457, 49.5220, 101.4602

Background



This preview shows how black text looks on a background with the XYZ color 51.3457, 49.5220, 101.4602.



This preview shows how white text looks on a background with the XYZ color 51.3457, 49.5220,

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

51.3457, 49.5220, 101.4602

Protanopia

50.9164, 49.6080, 101.4995

Deuteranopia

50.9164, 49.6080, 101.4995



Tritanopia

44.2127, 49.4734, 66.2505

Trichromacy



Original Color

51.3457, 49.5220, 101.4602

Protanomaly

51.1268, 49.7165, 101.5093

Deuteranomaly

51.1268, 49.7165, 101.5093

Tritanomaly

46.5524, 49.4584, 77.6139

Monochromacy



Original Color

51.3457, 49.5220, 101.4602

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.2650, 49.5746, 69.3124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3457, 49.5220, 101.4602 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(169, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 183, 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(169, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 183, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.3457, 49.5220, 101.4602 is called "border". The border property can be set on classes, ids or directly on the HTML element.

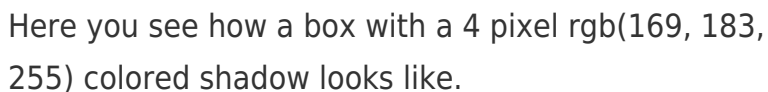
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 183, 255) }
```


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

```
.border{ border-color:rgb(169, 183, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 183, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 183, 255); box-shadow:4px 4px 4px 4px rgb(169, 183, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3457, 49.5220, 101.4602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 183, 255) }
```

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

```
.background{ background-color: rgb(169,  
183, 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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