

Converting Colors

XYZ(70.0909, 56.5461,
195.7670)

Have a look what the booklet for
XYZ(70.0909, 56.5461, 195.7670)
contains.

XYZ(52.2531, 49.3817, 101.3853)	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(52.2531, 49.3817,
101.3853)**

Conversions

Conversions Part 1

Format	Color
Hex	AFB5FF
RGB	175, 181, 255
RGB Percent	69%, 71%, 100%
CMY	0.3137, 0.2902, 0.0000
CMYK	0.31, 0.29, 0.00, 0.00
HSL	236°, 100%, 84%
HSV	236°, 31%, 100%
XYZ	52.2531, 49.3817, 101.3853
YIQ	187.6420, -27.3300, 21.7420

Conversions

Conversions Part 2

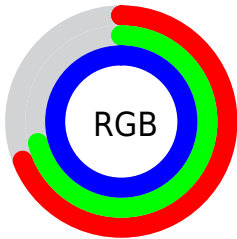
Format	Color
RYB	175, 181, 255
Decimal	11515391
CIELab	75.69, 14.39, -37.22
CIELCh	76, 39.903, 291.144
Yxy	49.3817, 0.2574, 0.2432
Android (android.graphics.Color)	4289705471 (0xFFAFB5FF)
YUV	187.6420, 33.2075, -11.0870
Hunter-Lab	70.2721, 9.7532, -36.3503

Details

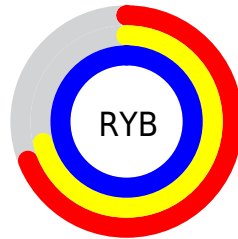
The XYZ color **52.2531, 49.3817, 101.3853** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.8540, 92.1069, 53.9709**, and the grayscale version is **47.4272, 49.8971, 54.3380**.

A 20% lighter version of the original color is **81.6129, 84.9442, 106.7021**, and **25.6579, 23.5086, 56.6114** is the 20% darker color. If you saturate the color by 10%, you get **42.6640, 37.9120, 99.6768**, and if you desaturate by 10%, it is **63.7378, 63.0361, 103.4156**.

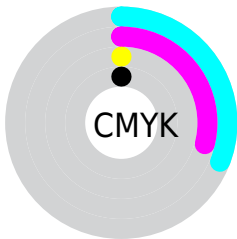
Distribution



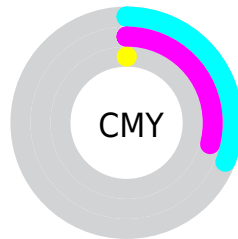
- Red (69%)
- Green (71%)
- Blue (100%)



- Red (69%)
- Yellow (71%)
- Blue (100%)



- Cyan (31%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2531, 49.3817, 101.3853 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 52.2531, 49.3817, 101.3853 by changing the saturation by 10% instead.

■ 52.2531, 49.3817,
101.3853

■ 52.2531, 49.3817,
101.3853

385.7209,
384.2431, 585.9096

■ 37.4319, 34.9224,
76.8346

■ 92.6764, 89.2581,
165.1281

■ 25.7173, 23.6031,
56.6064

119.0093,
115.4440, 205.1572

■ 16.7438, 15.0394,
40.2821

149.9101,
146.3074, 251.1830

■ 10.1462, 8.8471,
27.4431

185.7442,
182.2329, 303.6239

■ 5.5590, 4.6416,
17.6709

226.8770,
223.6049, 362.8985

■ 2.6169, 2.0385,
10.5470

273.6738,

■ 0.9546, 0.6297,

270.8076, 429.4252

5.6528

326.5000,
324.2255, 503.6228

■ 0.0000, 0.0000,
2.5698

■ 0.0000, 0.0000,
0.8768

■ 52.2531, 49.3817,
101.3853

■ 52.2531, 49.3817,
101.3853

■ 42.6640, 37.9120,
99.6768

■ 63.7378, 63.0361,
103.4156

■ 34.8641, 28.5082,
98.2728

■ 77.2078, 78.9744,
105.7820

■ 28.7435, 21.0487,
97.1556

■ 92.7524, 97.2969,
108.4993

■ 24.1781, 15.3970,
96.3053

■ 95.0500, 100.0000,
108.9000

■ 21.0268, 11.3987,
95.6997

■ 19.1223, 8.8733,
95.3126

■ 18.2850, 7.6900,
95.1283

Harmonies

Analogous

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



44.7809, 49.3817, 104.8673



52.2531, 49.3817, 101.3853



58.9002, 49.3817, 83.5709

Triad

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



52.2531, 49.3817, 101.3853



56.4320, 49.3817, 27.8856



34.2432, 49.3817, 47.7404

Complementary

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



52.2531, 49.3817, 101.3853



82.8540, 92.1069, 53.9709

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.



36.7124, 49.3817, 32.0559



52.2531, 49.3817, 101.3853



49.1588, 49.3817, 22.7372

Square

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



52.2531, 49.3817, 101.3853



61.4835, 49.3817, 40.3781



41.9921, 49.3817, 24.0318



34.8855, 49.3817, 69.8330

Rectangle

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



52.2531, 49.3817, 101.3853



61.7163, 49.3817, 68.0301



41.9921, 49.3817, 24.0318



34.7264, 49.3817, 41.6535

Sweetspot

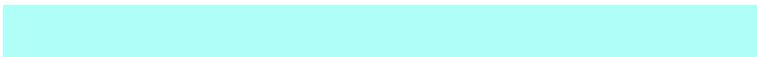
The Sweet Spot groups the original color and five complimentary colors.



52.2546, 49.3835, 101.3856



80.7027, 83.0996, 106.3941



70.4352, 87.4324, 102.2424



16.8117, 17.2415, 22.6918



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.



52.2546, 49.3835, 101.3856



45.6917, 41.5422, 100.2180



59.4876, 51.3400, 101.3820



17.1124, 17.5964, 22.7445



9.5932, 4.0960, 49.7196



0.9702, 0.4711, 4.8531

Inverse Universe

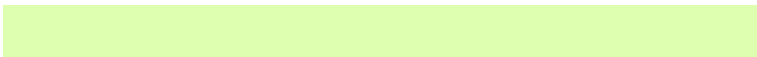
The Inverse Universe completely reimagines the original color for something new.



64.9116, 55.2578, 50.9625



60.3090, 48.4779, 41.9514



73.5209, 90.0926, 54.0741



18.0646, 18.0092, 18.9576



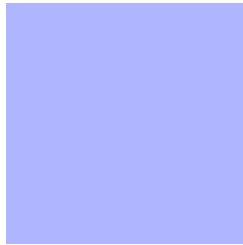
21.6304, 11.1415, 1.4383



2.1243, 1.0921, 0.2361

Previews

White Background



This preview shows how the XYZ color 52.2531, 49.3817, 101.3853 looks on a white background.

Color Contrast Check

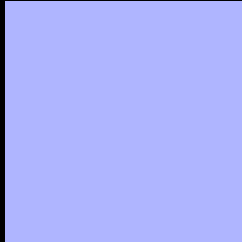
Large Text (above 18pt) WCAG AA × Fail

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 52.2531, 49.3817, 101.3853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

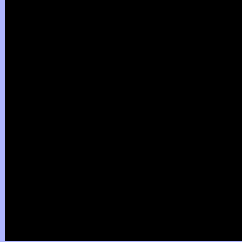
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2531, 49.3817, 101.3853

Background



This preview shows how black text looks on a background with the XYZ color 52.2531, 49.3817, 101.3853.

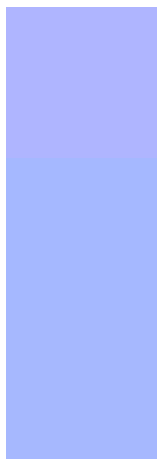


This preview shows how white text looks on a background with the XYZ color 52.2531, 49.3817,

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

52.2531, 49.3817, 101.3853

Protanopia

50.7075, 49.5003, 101.4897

Deuteranopia

50.7558, 49.5437, 100.6537



Tritanopia

44.8639, 49.1757, 65.5198

Trichromacy



Original Color

52.2531, 49.3817, 101.3853

Protanomaly

51.3457, 49.5220, 101.4602

Deuteranomaly

51.1851, 49.4577, 100.6145

Tritanomaly

47.3733, 49.2473, 77.5298

Monochromacy



Original Color

52.2531, 49.3817, 101.3853

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.7611, 49.5187, 69.2754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2531, 49.3817, 101.3853 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(175, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 181, 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(175, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 181, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.2531, 49.3817, 101.3853 is called "border". The border property can be set on classes, ids or directly on the HTML element.

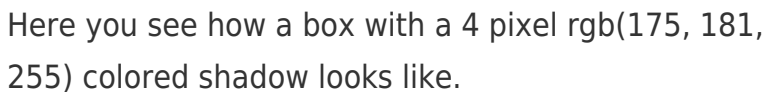
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 181, 255) }
```


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

```
.border{ border-color:rgb(175, 181, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 181,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2531, 49.3817, 101.3853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 181, 255) }
```

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

```
.background{ background-color: rgb(175,  
181, 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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