

Converting Colors

XYZ(51.6736, 49.6224,
101.4623)

Have a look what the booklet for
XYZ(51.6736, 49.6224, 101.4623)
contains.

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Color

**XYZ(51.7781, 49.7449,
101.4805)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB7FF
RGB	171, 183, 255
RGB Percent	67%, 72%, 100%
CMY	0.3294, 0.2823, 0.0000
CMYK	0.33, 0.28, 0.00, 0.00
HSL	231°, 100%, 84%
HSV	231°, 33%, 100%
XYZ	51.7781, 49.7449, 101.4805
YIQ	187.6200, -30.2640, 19.8480

Conversions

Conversions Part 2

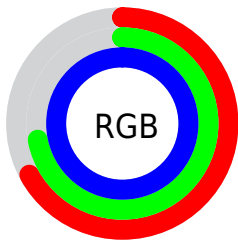
Format	Color
RYB	171, 182, 255
Decimal	11253759
CIELab	75.91, 12.18, -36.89
CIElCh	76, 38.850, 288.274
Yxy	49.7449, 0.2551, 0.2450
Android (android.graphics.Color)	4289443839 (0xFFABB7FF)
YUV	187.6200, 33.2183, -14.5757
Hunter-Lab	70.5301, 7.6142, -35.9370

Details

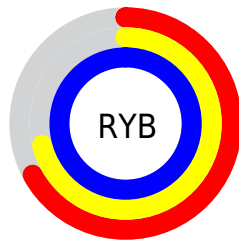
The XYZ color **51.7781, 49.7449, 101.4805** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.6418, 88.3019, 51.3237**, and the grayscale version is **47.4159, 49.8853, 54.3250**.

A 20% lighter version of the original color is **80.9114, 85.4470, 106.8362**, and **25.3781, 23.7555, 56.6738** is the 20% darker color. If you saturate the color by 10%, you get **42.5865, 38.8265, 99.8575**, and if you desaturate by 10%, it is **62.7442, 62.6194, 103.3875**.

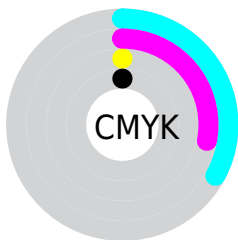
Distribution



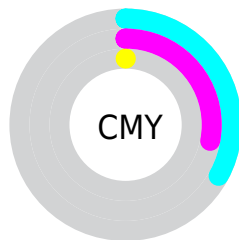
- Red (67%)
- Green (72%)
- Blue (100%)



- Red (67%)
- Yellow (71%)
- Blue (100%)



- Cyan (33%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7781, 49.7449, 101.4805 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 51.7781, 49.7449, 101.4805 by changing the saturation by 10% instead.

■ 51.7781, 49.7449,
101.4805

■ 51.7781, 49.7449,
101.4805

383.9174,
385.6675, 586.2161

■ 37.0518, 35.2107,
76.9138

■ 91.9801, 89.7968,
165.2598

■ 25.4214, 23.8253,
56.6710

118.1864,
116.0833, 205.3095

■ 16.5217, 15.2040,
40.3335

148.9502,
147.0561, 251.3573

■ 9.9873, 8.9627,
27.4829

184.6367,
183.0995, 303.8217

■ 5.4527, 4.7169,
17.7006

225.6113,
224.5980, 363.1212

■ 2.5527, 2.0821,
10.5680

272.2394,

■ 0.9219, 0.6545,

271.9359, 429.6744

5.6667

324.8863,
325.4976, 503.8999

■ 0.0000, 0.0000,
2.5780

■ 0.0000, 0.0000,
0.8811

■ 51.7781, 49.7449,
101.4805

■ 51.7781, 49.7449,
101.4805

■ 42.5865, 38.8265,
99.8575

■ 62.7442, 62.6194,
103.3875

■ 35.0708, 29.7624,
98.5040

■ 75.5673, 77.5340,
105.5905

■ 29.1297, 22.4499,
97.4057

■ 90.3301, 94.5747,
108.1016

■ 24.6487, 16.7737,
96.5463

■ 95.0500, 100.0000,
108.9000

■ 21.4975, 12.6045,
95.9076

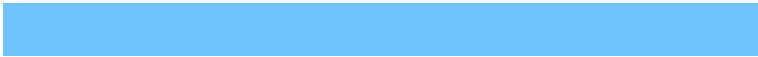
■ 19.5213, 9.7922,
95.4689

■ 18.6939, 8.5079,
95.2646

Harmonies

Analogous

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



44.5101, 49.7449, 103.2809



51.7781, 49.7449, 101.4805



58.4407, 49.7449, 85.2392

Triad

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



51.7781, 49.7449, 101.4805



57.1563, 49.7449, 29.5406



34.9274, 49.7449, 46.4645

Complementary

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



51.7781, 49.7449, 101.4805



80.6418, 88.3019, 51.3237

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.



37.6410, 49.7449, 31.7409



51.7781, 49.7449, 101.4805



50.1646, 49.7449, 23.7724

Square

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



51.7781, 49.7449, 101.4805



61.7574, 49.7449, 42.6082



43.0522, 49.7449, 24.4591



35.2646, 49.7449, 67.6398

Rectangle

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



51.7781, 49.7449, 101.4805



61.4156, 49.7449, 70.2886



43.0522, 49.7449, 24.4591



35.5008, 49.7449, 40.7154

Sweetspot

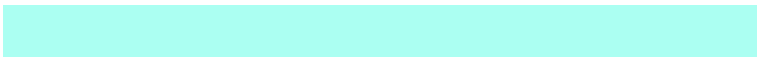
The Sweet Spot groups the original color and five complimentary colors.



51.7796, 49.7467, 101.4807



79.7023, 82.3191, 106.2962



68.6427, 86.6133, 97.4204



16.6319, 17.1251, 22.6788



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.



51.7796, 49.7467, 101.4807



45.1105, 41.8396, 100.3060



56.5407, 48.6821, 101.0243



17.2123, 17.7962, 22.7778



9.8309, 4.5713, 49.7988



1.0172, 0.5650, 4.8687

Inverse Universe

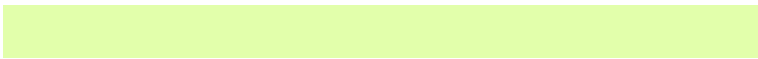
The Inverse Universe completely reimagines the original color for something new.



64.3512, 53.8063, 51.7956



59.6593, 46.8537, 42.7361



74.3502, 90.5648, 52.0921



18.1151, 18.0293, 19.2231



21.7504, 11.1894, 2.0699



2.1480, 1.1016, 0.3609

Previews

White Background



This preview shows how the XYZ color 51.7781, 49.7449, 101.4805 looks on a white background.

Color Contrast Check

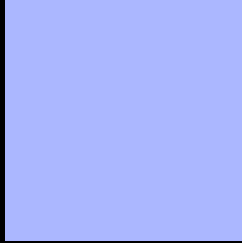
Large Text (above 18pt) WCAG AA × Fail

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 51.7781, 49.7449, 101.4805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

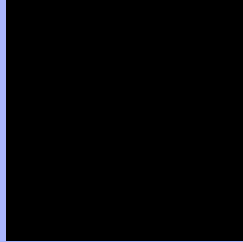
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7781, 49.7449, 101.4805

Background



This preview shows how black text looks on a background with the XYZ color 51.7781, 49.7449, 101.4805.



This preview shows how white text looks on a background with the XYZ color 51.7781, 49.7449,

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

51.7781, 49.7449, 101.4805

Protanopia

50.9164, 49.6080, 101.4995

Deuteranopia

50.9164, 49.6080, 101.4995



Tritanopia

44.6093, 49.6779, 66.2691

Trichromacy



Original Color

51.7781, 49.7449, 101.4805

Protanomaly

51.3389, 49.8258, 101.5192

Deuteranomaly

51.3389, 49.8258, 101.5192

Tritanomaly

46.9620, 49.6695, 77.6330

Monochromacy



Original Color

51.7781, 49.7449, 101.4805

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.7340, 49.8164, 69.3343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7781, 49.7449, 101.4805 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(171, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 183, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.7781, 49.7449, 101.4805 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(171, 183, 255) }
```


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

```
.border{ border-color:rgb(171, 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(171, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 183,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7781, 49.7449, 101.4805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 183, 255) }
```

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

```
.background{ background-color: rgb(171,  
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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