

Converting Colors

XYZ(47.5896, 46.7978,
101.1324)

Have a look what the booklet for
XYZ(47.5896, 46.7978, 101.1324)
contains.

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Color

**XYZ(47.5081, 46.6348,
101.1052)**

Conversions

Conversions Part 1

Format	Color
Hex	99B4FF
RGB	153, 180, 255
RGB Percent	60%, 71%, 100%
CMY	0.4000, 0.2941, 0.0000
CMYK	0.40, 0.29, 0.00, 0.00
HSL	224°, 100%, 80%
HSV	224°, 40%, 100%
XYZ	47.5081, 46.6348, 101.1052
YIQ	180.4770, -40.1670, 17.6010

Conversions

Conversions Part 2

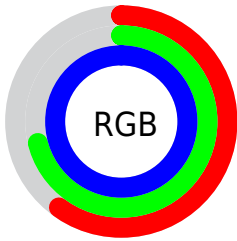
Format	Color
RYB	153, 174, 255
Decimal	10073343
CIELab	73.96, 9.07, -40.02
CIELCh	74, 41.038, 282.766
Yxy	46.6348, 0.2433, 0.2388
Android (android.graphics.Color)	4288263423 (0xFF99B4FF)
YUV	180.4770, 36.7398, -24.0973
Hunter-Lab	68.2897, 4.6728, -39.9781

Details

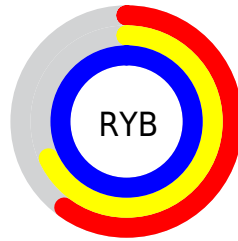
The XYZ color **47.5081, 46.6348, 101.1052** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **74.7339, 79.0476, 41.4577**, and the grayscale version is **43.4641, 45.7276, 49.7973**.

A 20% lighter version of the original color is **74.6238, 80.9125, 106.2923**, and **22.8420, 22.0569, 56.4796** is the 20% darker color. If you saturate the color by 10%, you get **39.6668, 37.3491, 99.7262**, and if you desaturate by 10%, it is **56.8927, 57.4781, 102.7036**.

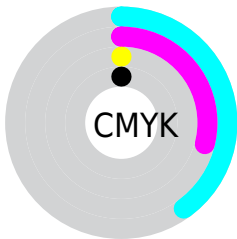
Distribution



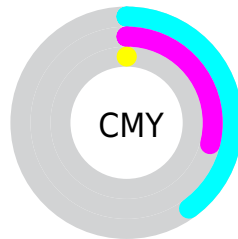
- Red (60%)
- Green (71%)
- Blue (100%)



- Red (60%)
- Yellow (68%)
- Blue (100%)



- Cyan (40%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5081, 46.6348, 101.1052 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 47.5081, 46.6348, 101.1052 by changing the saturation by 10% instead.

■ 47.5081, 46.6348,
101.1052

■ 47.5081, 46.6348,
101.1052

367.4542,
373.3549, 585.0072

■ 33.6471, 32.7470,
76.6018

■ 85.6857, 85.1682,
164.7403

■ 22.7843, 21.9327,
56.4165

■ 110.7330,
110.5827, 204.7090

■ 14.5541, 13.8075,
40.1308

140.2399,
140.6082, 250.6700

■ 8.5913, 7.9869,
27.3259

174.5716,
175.6291, 303.0418

■ 4.5306, 4.0866,
17.5836

214.0935,
216.0299, 362.2428

■ 2.0064, 1.7221,
10.4851

259.1710,

■ 0.6376, 0.4379,

262.1948, 428.6917

5.6120

310.1694,
314.5084, 502.8070

■ 0.0000, 0.0000,
2.5457

■ 0.0000, 0.0000,
0.8642

■ 47.5081, 46.6348,
101.1052

■ 47.5081, 46.6348,
101.1052

■ 39.6668, 37.3491,
99.7262

■ 56.8927, 57.4781,
102.7036

■ 33.2780, 29.5411,
98.5558

■ 67.8958, 69.9435,
104.5297

■ 28.2475, 23.1307,
97.5836

■ 80.5927, 84.0979,
106.5926

■ 24.4673, 18.0277,
96.7979

95.0500, 100.0000,
108.9000

■ 21.8115, 14.1292,
96.1854

■ 20.0872, 11.2944,
95.7291

■ 20.0870, 11.2940,
95.7290

Harmonies

Analogous

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



40.2845, 46.6348, 99.8231



47.5081, 46.6348, 101.1052



54.5845, 46.6348, 86.4886

Triad

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



47.5081, 46.6348, 101.1052



55.4809, 46.6348, 28.0315



32.1959, 46.6348, 39.7469

Complementary

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



47.5081, 46.6348, 101.1052



74.7339, 79.0476, 41.4577

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.



35.4390, 46.6348, 26.5624



47.5081, 46.6348, 101.1052



48.6270, 46.6348, 21.1896

Square

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



47.5081, 46.6348, 101.1052



59.5168, 46.6348, 42.3816



41.2873, 46.6348, 20.7385



31.9669, 46.6348, 60.2145

Rectangle

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



47.5081, 46.6348, 101.1052



58.0534, 46.6348, 71.5469



41.2873, 46.6348, 20.7385



32.9519, 46.6348, 34.4750

Sweetspot

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



47.5096, 46.6365, 101.1055



77.9121, 81.1264, 106.1603



62.8737, 83.8831, 86.1314



16.3101, 16.9574, 22.6634



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.



47.5096, 46.6365, 101.1055



41.1149, 39.0842, 99.9848



47.5286, 39.3279, 99.6938



17.3940, 18.1596, 22.8383



10.5990, 6.1076, 50.0548



1.1168, 0.7644, 4.9019

Inverse Universe

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



60.8705, 47.3393, 49.1108



56.3644, 40.6423, 40.4712



74.5301, 90.8424, 43.7451



18.2068, 18.0660, 19.7060



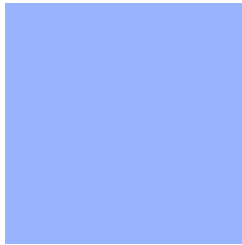
22.1381, 11.3445, 4.1117



2.1983, 1.1217, 0.6258

Previews

White Background



This preview shows how the XYZ color 47.5081, 46.6348, 101.1052 looks on a white background.

Color Contrast Check

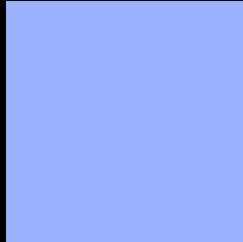
Large Text (above 18pt) WCAG AA × Fail

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 47.5081, 46.6348, 101.1052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

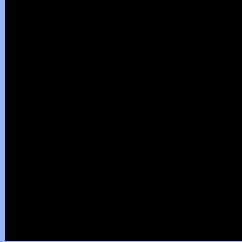
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5081, 46.6348, 101.1052

Background



This preview shows how black text looks on a background with the XYZ color 47.5081, 46.6348, 101.1052.



This preview shows how white text looks on a background with the XYZ color 47.5081, 46.6348,

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

47.5081, 46.6348, 101.1052

Protanopia

48.1100, 46.6651, 100.2375

Deuteranopia

47.6877, 46.4288, 101.0560



Tritanopia

40.2481, 46.8101, 64.6716

Trichromacy



Original Color

47.5081, 46.6348, 101.1052

Protanomaly

47.7198, 46.4639, 100.2193

Deuteranomaly

47.4965, 46.3302, 101.0470

Tritanomaly

42.5552, 46.4653, 76.5378

Monochromacy



Original Color

47.5081, 46.6348, 101.1052

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.1613, 45.6936, 65.5237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5081, 46.6348, 101.1052 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(153, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 180, 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(153, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.5081, 46.6348, 101.1052 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(153, 180, 255) }
```


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

```
.border{ border-color:rgb(153, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 180,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5081, 46.6348, 101.1052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 180, 255) }
```

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

```
.background{ background-color: rgb(153,  
180, 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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