

Converting Colors

XYZ(78.0952, 56.7798,
236.1522)

Have a look what the booklet for
XYZ(78.0952, 56.7798, 236.1522)
contains.

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Color

**XYZ(52.3801, 46.5362,
100.8294)**

Conversions

Conversions Part 1

Format	Color
Hex	B8ABFF
RGB	184, 171, 255
RGB Percent	72%, 67%, 100%
CMY	0.2784, 0.3294, 0.0000
CMYK	0.28, 0.33, 0.00, 0.00
HSL	249°, 100%, 84%
HSV	249°, 33%, 100%
XYZ	52.3801, 46.5362, 100.8294
YIQ	184.4630, -19.2160, 28.8800

Conversions

Conversions Part 2

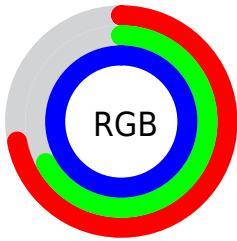
Format	Color
RYB	184, 171, 255
Decimal	12102655
CIELab	73.89, 22.47, -39.96
CIELCh	74, 45.839, 299.349
Yxy	46.5362, 0.2622, 0.2330
Android (android.graphics.Color)	4290292735 (0xFFB8ABFF)
YUV	184.4630, 34.7747, -0.4061
Hunter-Lab	68.2174, 17.6790, -39.8819

Details

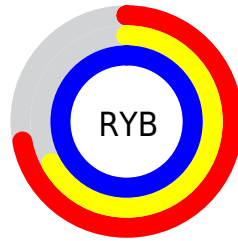
The XYZ color **52.3801, 46.5362, 100.8294** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.7291, 93.3377, 52.3437**, and the grayscale version is **45.6385, 48.0152, 52.2886**.

A 20% lighter version of the original color is **81.5220, 80.3135, 105.8131**, and **25.8431, 21.9380, 56.2985** is the 20% darker color. If you saturate the color by 10%, you get **43.2444, 35.3536, 99.1525**, and if you desaturate by 10%, it is **63.2345, 59.9859, 102.8534**.

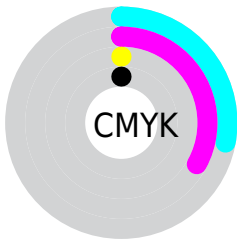
Distribution



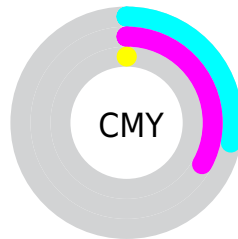
- Red (72%)
- Green (67%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3801, 46.5362, 100.8294 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 52.3801, 46.5362, 100.8294 by changing the saturation by 10% instead.

■ 52.3801, 46.5362,
100.8294

■ 52.3801, 46.5362,
100.8294

386.2022,
372.9602, 584.1179

■ 37.5336, 32.6692,
76.3726

■ 92.8625, 85.0209,
164.3583

■ 25.7965, 21.8731,
56.2296

119.2291,
110.4073, 204.2675

■ 16.8033, 13.7637,
39.9818

150.1665,
140.4024, 250.1647

■ 10.1888, 7.9565,
27.2107

186.0400,
175.3904, 302.4683

■ 5.5875, 4.0671,
17.4977

227.2149,
215.7558, 361.5968

■ 2.6342, 1.7112,
10.4243

274.0567,

■ 0.9634, 0.4309,

261.8829, 427.9690

5.5719

326.9307,
314.1563, 502.0031

■ 0.0000, 0.0000,
2.5220

■ 0.0000, 0.0000,
0.8518

■ 52.3801, 46.5362,
100.8294

■ 52.3801, 46.5362,
100.8294

■ 43.2444, 35.3536,
99.1525

■ 63.2345, 59.9859,
102.8534

■ 35.7338, 26.3075,
97.8022

■ 75.8856, 75.8133,
105.2416

■ 29.7525, 19.2615,
96.7575

■ 90.4122, 94.1280,
108.0110

■ 25.1927, 14.0617,
95.9941

95.0500, 100.0000,
108.9000

■ 21.9316, 10.5308,
95.4845

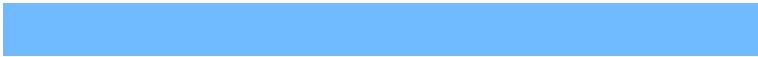
■ 19.8246, 8.4560,
95.1950

■ 18.9044, 7.6605,
95.0900

Harmonies

Analogous

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



44.0530, 46.5362, 110.2318



52.3801, 46.5362, 100.8294



59.1574, 46.5362, 77.2202

Triad

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



52.3801, 46.5362, 100.8294



52.7268, 46.5362, 20.9991



30.3177, 46.5362, 50.1606

Complementary

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



52.3801, 46.5362, 100.8294



79.7291, 93.3377, 52.3437

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.



32.0541, 46.5362, 31.0318



52.3801, 46.5362, 100.8294



44.4100, 46.5362, 17.6989

Square

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



52.3801, 46.5362, 100.8294



59.3743, 46.5362, 31.6746



36.9747, 46.5362, 20.7163



31.9103, 46.5362, 76.0539

Rectangle

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



52.3801, 46.5362, 100.8294



61.5223, 46.5362, 59.4424



36.9747, 46.5362, 20.7163



30.5277, 46.5362, 42.8062

Sweetspot

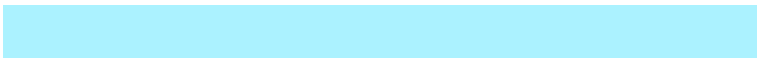
The Sweet Spot groups the original color and five complimentary colors.



52.3816, 46.5380, 100.8297



79.9581, 80.9346, 106.0154



66.7169, 79.6213, 106.4598



16.6932, 16.7935, 22.6116



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.



52.3816, 46.5380, 100.8297



45.7576, 38.4138, 99.6107



63.8527, 52.4516, 101.3665



17.2647, 17.5127, 22.7203



9.9553, 4.0426, 49.6902



1.0418, 0.4310, 4.8416

Inverse Universe

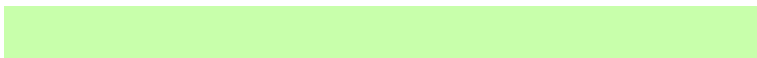
The Inverse Universe completely reimagines the original color for something new.



71.8307, 56.7980, 91.1819



68.2429, 50.2871, 87.9368



67.0381, 86.7953, 51.7498



18.6647, 18.2492, 22.1176



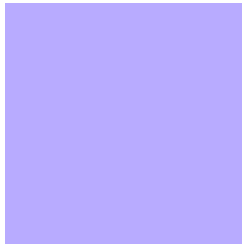
28.0394, 13.7051, 35.1876



2.7613, 1.3469, 3.5902

Previews

White Background



This preview shows how the XYZ color 52.3801, 46.5362, 100.8294 looks on a white background.

Color Contrast Check

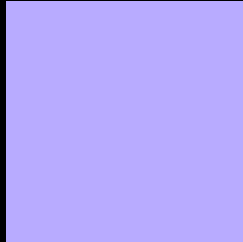
Large Text (above 18pt) WCAG AA × Fail

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 52.3801, 46.5362, 100.8294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

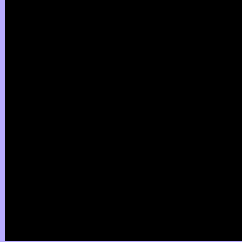
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.3801, 46.5362, 100.8294

Background



This preview shows how black text looks on a background with the XYZ color 52.3801, 46.5362, 100.8294.



This preview shows how white text looks on a background with the XYZ color 52.3801, 46.5362,

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

52.3801, 46.5362, 100.8294

Protanopia

48.2707, 46.7293, 101.0833

Deuteranopia

47.7543, 46.5001, 99.3870



Tritanopia

44.2451, 46.7824, 59.5213

Trichromacy



Original Color

52.3801, 46.5362, 100.8294

Protanomaly

49.5117, 46.4862, 100.9709

Deuteranomaly

49.3511, 46.4219, 100.1252

Tritanomaly

46.9065, 46.6493, 72.8616

Monochromacy



Original Color

52.3801, 46.5362, 100.8294

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

47.5201, 47.0837, 67.5562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3801, 46.5362, 100.8294 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(184, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 171, 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(184, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.3801, 46.5362, 100.8294 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(184, 171, 255) }
```


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

```
.border{ border-color:rgb(184, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 171,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3801, 46.5362, 100.8294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 171, 255) }
```

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

```
.background{ background-color: rgb(184,  
171, 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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