

Converting Colors

XYZ(63.6124, 48.0986,
165.5633)

Have a look what the booklet for
XYZ(63.6124, 48.0986, 165.5633)
contains.

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Color

**XYZ(51.2884, 43.2745,
100.2574)**

Conversions

Conversions Part 1

Format	Color
Hex	BBA1FF
RGB	187, 161, 255
RGB Percent	73%, 63%, 100%
CMY	0.2667, 0.3686, 0.0000
CMYK	0.27, 0.37, 0.00, 0.00
HSL	257°, 100%, 82%
HSV	257°, 37%, 100%
XYZ	51.2884, 43.2745, 100.2574
YIQ	179.4900, -14.6780, 34.7460

Conversions

Conversions Part 2

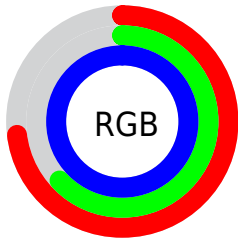
Format	Color
RYB	187, 161, 255
Decimal	12296703
CIELab	71.74, 28.87, -43.30
CIELCh	72, 52.039, 303.697
Yxy	43.2745, 0.2633, 0.2221
Android (android.graphics.Color)	4290486783 (0xFFBBA1FF)
YUV	179.4900, 37.2264, 6.5863
Hunter-Lab	65.7834, 24.0478, -44.3128

Details

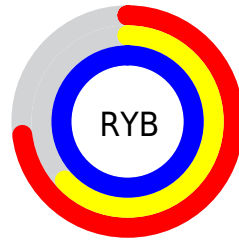
The XYZ color **51.2884, 43.2745, 100.2574** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **74.5064, 90.7513, 47.3096**, and the grayscale version is **42.9234, 45.1588, 49.1779**.

A 20% lighter version of the original color is **80.2621, 75.7442, 104.9976**, and **25.1774, 19.9200, 55.9440** is the 20% darker color. If you saturate the color by 10%, you get **43.0516, 33.0748, 98.7228**, and if you desaturate by 10%, it is **61.0163, 55.5935, 102.1225**.

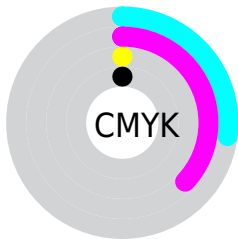
Distribution



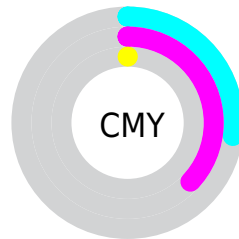
- Red (73%)
- Green (63%)
- Blue (100%)



- Red (73%)
- Yellow (63%)
- Blue (100%)



- Cyan (27%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2884, 43.2745, 100.2574 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 51.2884, 43.2745, 100.2574 by changing the saturation by 10% instead.

51.2884, 43.2745,
100.2574

51.2884, 43.2745,
100.2574

382.0525,
359.7394, 582.2713

36.6602, 30.1006,
75.8974

91.2614, 80.1249,
163.5658

25.1169, 19.9149,
55.8423

117.3368,
104.5702, 203.3514

16.2934, 12.3332,
39.6733

147.9588,
133.5414, 249.1159

9.8242, 6.9710,
26.9721

183.4925,
167.4228, 301.2778

5.3439, 3.4440,
17.3200

224.3033,
206.5990, 360.2558

2.4872, 1.3677,
10.2985

270.7567,

0.8888, 0.1927,

251.4542, 426.4684

5.4892

323.2180,
302.3729, 500.3340

■ 0.0000, 0.0000,
2.4733

■ 0.0000, 0.0000,
0.8260

■ 51.2884, 43.2745,
100.2574

■ 51.2884, 43.2745,
100.2574

■ 43.0516, 33.0748,
98.7228

■ 61.0163, 55.5935,
102.1225

■ 36.2243, 24.8671,
97.4983

■ 72.3027, 70.1394,
104.3352

■ 30.7227, 18.5175,
96.5627

■ 85.2159, 87.0183,
106.9126

■ 26.4522, 13.8734,
95.8914

95.0500, 100.0000,
108.9000

■ 23.3034, 10.7565,
95.4557

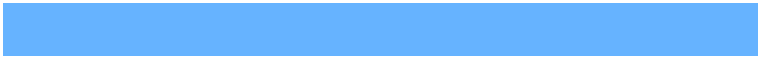
■ 21.1432, 8.9435,
95.2196

■ 20.6145, 8.5421,
95.1700

Harmonies

Analogous

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



42.2357, 43.2745, 114.2069



51.2884, 43.2745, 100.2574



58.3067, 43.2745, 72.1167

Triad

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



51.2884, 43.2745, 100.2574



49.1227, 43.2745, 15.5881



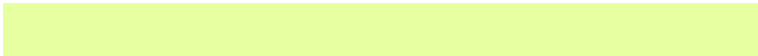
26.4077, 43.2745, 50.3242

Complementary

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



51.2884, 43.2745, 100.2574



74.5064, 90.7513, 47.3096

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.



27.7106, 43.2745, 28.6892



51.2884, 43.2745, 100.2574



40.0460, 43.2745, 13.3454

Square

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



51.2884, 43.2745, 100.2574



56.9360, 43.2745, 24.9619



32.4121, 43.2745, 17.1366



28.5605, 43.2745, 79.5727

Rectangle

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



51.2884, 43.2745, 100.2574



60.4206, 43.2745, 52.6610



32.4121, 43.2745, 17.1366



26.4579, 43.2745, 41.9793

Sweetspot

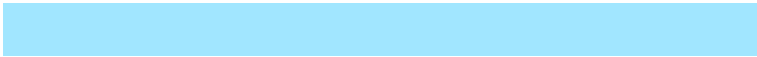
The Sweet Spot groups the original color and five complimentary colors.



51.2898, 43.2761, 100.2576



79.6703, 79.7435, 105.8007



61.0271, 71.3544, 105.1641



16.6772, 16.5774, 22.5707



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.



51.2898, 43.2761, 100.2576



45.2613, 35.7847, 99.1293



64.4218, 50.0459, 100.8722



17.4746, 17.6209, 22.7301



10.8945, 4.5268, 49.7341



1.1610, 0.4924, 4.8471

Inverse Universe

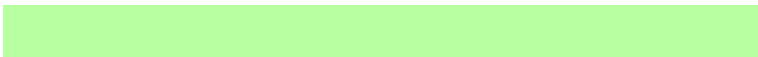
The Inverse Universe completely reimagines the original color for something new.



68.1283, 52.4081, 80.6538



64.4822, 46.2248, 76.0197



61.7065, 84.1527, 46.7106



18.5657, 18.2096, 21.5962



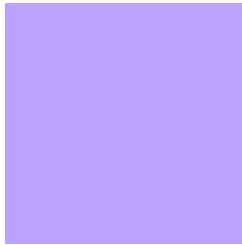
26.1616, 12.9539, 25.2990



2.5936, 1.2798, 2.7071

Previews

White Background



This preview shows how the XYZ color 51.2884, 43.2745, 100.2574 looks on a white background.

Color Contrast Check

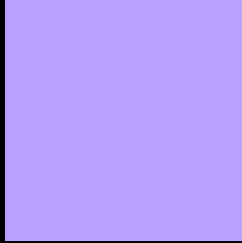
Large Text (above 18pt) WCAG AA × Fail

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 51.2884, 43.2745, 100.2574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

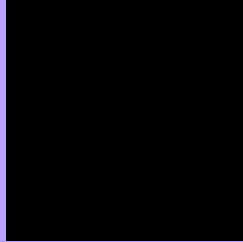
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2884, 43.2745, 100.2574

Background



This preview shows how black text looks on a background with the XYZ color 51.2884, 43.2745, 100.2574.



This preview shows how white text looks on a background with the XYZ color 51.2884, 43.2745,

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

51.2884, 43.2745, 100.2574

Protanopia

45.3880, 43.4967, 100.6112

Deuteranopia

44.5608, 43.4114, 98.1261



Tritanopia

41.9708, 43.3327, 54.2961

Trichromacy



Original Color

51.2884, 43.2745, 100.2574

Protanomaly

47.3422, 43.3825, 100.4862

Deuteranomaly

46.6155, 43.0449, 98.7801

Tritanomaly

44.9754, 43.1373, 68.9067

Monochromacy



Original Color

51.2884, 43.2745, 100.2574

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

45.3064, 43.9551, 65.1278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2884, 43.2745, 100.2574 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(187, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 161, 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(187, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 161, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.2884, 43.2745, 100.2574 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(187, 161, 255) }
```


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

```
.border{ border-color:rgb(187, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 161,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2884, 43.2745, 100.2574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 161, 255) }
```

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

```
.background{ background-color: rgb(187,  
161, 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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