

Converting Colors

XYZ(51.8784, 50.1721, 80.8238)

Have a look what the booklet for
XYZ(51.8784, 50.1721, 80.8238)
contains.

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Color

**XYZ(52.0626, 50.3429,
81.1019)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB7E5
RGB	189, 183, 229
RGB Percent	74%, 72%, 90%
CMY	0.2588, 0.2823, 0.1020
CMYK	0.17, 0.20, 0.00, 0.10
HSL	248°, 47%, 81%
HSV	248°, 20%, 90%
XYZ	52.0626, 50.3429, 81.1019
YIQ	190.0380, -11.1900, 15.5780

Conversions

Conversions Part 2

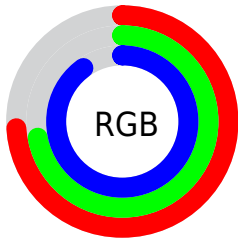
Format	Color
RYB	189, 183, 229
Decimal	12433381
CIELab	76.28, 11.35, -22.19
CIELCh	76, 24.926, 297.081
Yxy	50.3429, 0.2837, 0.2743
Android (android.graphics.Color)	4290623461 (0xFFBDB7E5)
YUV	190.0380, 19.2083, -0.9103
Hunter-Lab	70.9527, 6.8097, -18.1040

Details

The XYZ color **52.0626, 50.3429, 81.1019** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.9996, 75.1467, 55.7755**, and the grayscale version is **48.8642, 51.4090, 55.9844**.

A 20% lighter version of the original color is **86.9225, 88.5458, 107.1175**, and **25.5171, 24.1333, 42.8485** is the 20% darker color. If you saturate the color by 10%, you get **43.1130, 39.2797, 79.4390**, and if you desaturate by 10%, it is **62.4620, 63.2968, 83.0550**.

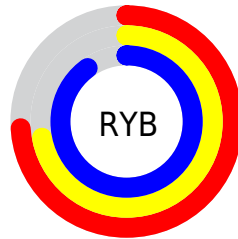
Distribution



Red (74%)

Green (72%)

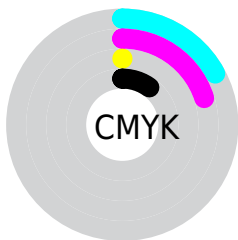
Blue (90%)



Red (74%)

Yellow (72%)

Blue (90%)

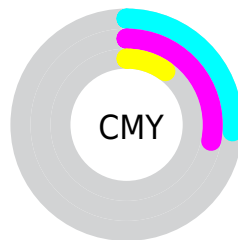


Cyan (17%)

Magenta (20%)

Yellow (0%)

Black (10%)



Cyan (26%)

Magenta (28%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0626, 50.3429, 81.1019 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 52.0626, 50.3429, 81.1019 by changing the saturation by 10% instead.

■ 52.0626, 50.3429,
81.1019

■ 52.0626, 50.3429,
81.1019

384.9982,
388.0054, 518.4430

■ 37.2794, 35.6859,
60.0940

■ 92.3972, 90.6827,
136.7392

■ 25.5986, 24.1917,
43.0686

118.6794,
117.1344, 172.2057

■ 16.6547, 15.4759,
29.6072

149.5253,
148.2864, 213.3289

■ 10.0824, 9.1541,
19.2911

185.3003,
184.5231, 260.5272

■ 5.5163, 4.8418,
11.7019

226.3698,
226.2290, 314.2192

■ 2.5911, 2.1547,
6.4209

273.0990,

■ 0.9414, 0.6952,

273.7884, 374.8235

3.0298

325.8534,
327.5857, 442.7586

■ 0.0000, 0.0000,
1.1099

■ 0.0000, 0.0000,
0.0000

■ 52.0626, 50.3429,
81.1019

■ 52.0626, 50.3429,
81.1019

■ 43.1130, 39.2797,
79.4390

■ 62.4620, 63.2968,
83.0550

■ 35.5440, 30.0125,
78.0492

■ 74.3671, 78.2176,
85.3075

■ 29.2876, 22.4481,
76.9188

■ 87.8363, 95.1852,
87.8727

■ 24.2682, 16.4818,
76.0318

■ 91.1430, 98.4372,
88.3261

■ 20.4023, 11.9980,
75.3701

■ 17.5959, 8.8646,
74.9132

■ 15.7396, 6.9264,
74.6369

■ 14.6744, 5.9312,
74.5010

Harmonies

Analogous

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



47.3927, 50.3429, 84.7802



52.0626, 50.3429, 81.1019



55.8049, 50.3429, 70.0419

Triad

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



52.0626, 50.3429, 81.1019



52.9066, 50.3429, 35.9079



39.4159, 50.3429, 53.5132

Complementary

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



52.0626, 50.3429, 81.1019



66.9996, 75.1467, 55.7755

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.



40.6884, 50.3429, 41.9720



52.0626, 50.3429, 81.1019



48.3090, 50.3429, 32.9011

Square

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



52.0626, 50.3429, 81.1019



56.3141, 50.3429, 43.9030



43.8699, 50.3429, 34.9273



40.2785, 50.3429, 67.3997

Rectangle

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



52.0626, 50.3429, 81.1019



57.1639, 50.3429, 60.7791



43.8699, 50.3429, 34.9273



39.6061, 50.3429, 49.2542

Sweetspot

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



52.0642, 50.3450, 81.1030



85.6353, 88.1870, 107.1161



60.2300, 68.8402, 84.2426



18.1194, 18.6125, 22.8875



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.



52.0642, 50.3450, 81.1030



61.5952, 58.2406, 102.6029



58.0471, 53.4293, 81.3830



13.7567, 13.9768, 18.1171



8.4459, 3.4199, 42.5981



0.6808, 0.2819, 3.1505

Inverse Universe

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



62.5674, 55.8547, 77.2974



77.2788, 66.4712, 96.7684



60.5570, 71.8255, 55.4740



14.9100, 14.5812, 17.7264



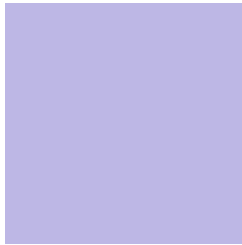
24.4101, 11.8983, 32.1184



1.8265, 0.8883, 2.4926

Previews

White Background



This preview shows how the XYZ color 52.0626, 50.3429, 81.1019 looks on a white background.

Color Contrast Check

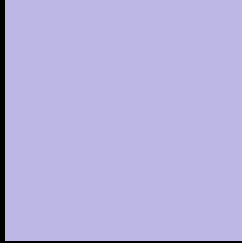
Large Text (above 18pt) WCAG AA × Fail

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 52.0626, 50.3429, 81.1019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

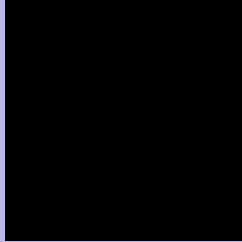
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.0626, 50.3429, 81.1019

Background



This preview shows how black text looks on a background with the XYZ color 52.0626, 50.3429, 81.1019.



This preview shows how white text looks on a background with the XYZ color 52.0626, 50.3429,

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

52.0626, 50.3429, 81.1019

Protanopia

50.3428, 50.3523, 82.6669

Deuteranopia

51.5330, 50.3772, 81.1364



Tritanopia

48.5299, 50.4686, 63.6835

Trichromacy



Original Color

52.0626, 50.3429, 81.1019

Protanomaly

50.9233, 50.3562, 81.8987

Deuteranomaly

51.7769, 50.5029, 81.1478

Tritanomaly

49.6923, 50.3104, 69.3792

Monochromacy



Original Color

52.0626, 50.3429, 81.1019

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.9046, 50.8474, 64.3110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0626, 50.3429, 81.1019 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(189, 183, 229)` looks like.

```
.text, #text, p{  
    color:rgb(189, 183, 229)  
}
```

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(189, 183, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 183, 229) }
```

Border

The CSS property to change the border of an element to XYZ 52.0626, 50.3429, 81.1019 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(189, 183, 229) }
```


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

```
.border{ border-color:rgb(189, 183, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 183, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 183, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 183, 229);  
box-shadow:4px 4px 4px 4px rgb(189, 183,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0626, 50.3429, 81.1019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 183, 229) }
```

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

```
.background{ background-color: rgb(189,  
183, 229) }
```

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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