

Converting Colors

XYZ(51.2421, 47.8843, 82.9230)

Have a look what the booklet for
XYZ(51.2421, 47.8843, 82.9230)
contains.

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Color

**XYZ(51.0771, 47.6957,
82.8581)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB0E8
RGB	189, 176, 232
RGB Percent	74%, 69%, 91%
CMY	0.2588, 0.3098, 0.0902
CMYK	0.19, 0.24, 0.00, 0.09
HSL	254°, 55%, 80%
HSV	254°, 24%, 91%
XYZ	51.0771, 47.6957, 82.8581
YIQ	186.2710, -10.2280, 20.1720

Conversions

Conversions Part 2

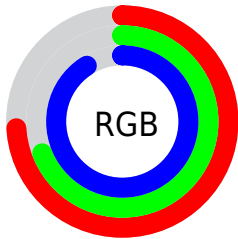
Format	Color
RYB	189, 176, 232
Decimal	12431592
CIELab	74.63, 15.85, -26.33
CIELCh	75, 30.733, 301.041
Yxy	47.6957, 0.2812, 0.2626
Android (android.graphics.Color)	4290621672 (0xFFBDB0E8)
YUV	186.2710, 22.5444, 2.3933
Hunter-Lab	69.0621, 11.1568, -22.7905

Details

The XYZ color **51.0771, 47.6957, 82.8581** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.9081, 75.9091, 52.2546**, and the grayscale version is **46.7070, 49.1394, 53.5128**.

A 20% lighter version of the original color is **84.9126, 84.5261, 106.4475**, and **24.9111, 22.4514, 44.0949** is the 20% darker color. If you saturate the color by 10%, you get **42.7603, 37.2236, 81.2759**, and if you desaturate by 10%, it is **60.7172, 60.0062, 84.7270**.

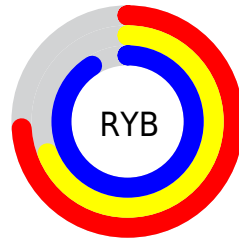
Distribution



Red (74%)

Green (69%)

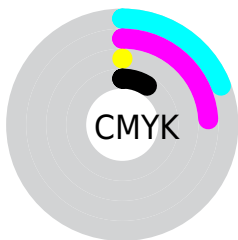
Blue (91%)



Red (74%)

Yellow (69%)

Blue (91%)

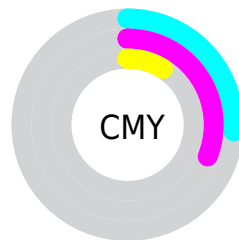


Cyan (19%)

Magenta (24%)

Yellow (0%)

Black (9%)



Cyan (26%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0771, 47.6957, 82.8581 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 51.0771, 47.6957, 82.8581 by changing the saturation by 10% instead.

■ 51.0771, 47.6957,
82.8581

■ 51.0771, 47.6957,
82.8581

381.2460,
377.5847, 524.4721

■ 36.4913, 33.5860,
61.5332

■ 90.9510, 86.7512,
139.2242

■ 24.9857, 22.5757,
44.2222

116.9699,
112.4657, 175.1024

■ 16.1951, 14.2805,
30.5068

147.5304,
142.8172, 216.6687

■ 9.7540, 8.3160,
19.9683

182.9980,
178.1903, 264.3418

■ 5.2972, 4.2978,
12.1881

223.7380,
218.9691, 318.5402

■ 2.4592, 1.8415,
6.7478

270.1157,

■ 0.8747, 0.5129,

265.5382, 379.6823

3.2289

322.4966,
318.2819, 448.1868

■ 0.0000, 0.0000,
1.2126

■ 0.0000, 0.0000,
0.0000

■ 51.0771, 47.6957,
82.8581

■ 51.0771, 47.6957,
82.8581

■ 42.7603, 37.2236,
81.2759

■ 60.7172, 60.0062,
84.7270

■ 35.7030, 28.4950,
79.9631

■ 71.7311, 74.2323,
86.8924

■ 29.8431, 21.4151,
78.9054

■ 84.1727, 90.4538,
89.3677

■ 25.1109, 15.8776,
78.0859

■ 91.5656, 98.6063,
90.5516

■ 21.4293, 11.7636,
77.4859

■ 18.7107, 8.9361,
77.0834

■ 16.8512, 7.2298,
76.8521

■ 16.0791, 6.6065,
76.7725

Harmonies

Analogous

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



45.5280, 47.6957, 88.9876



51.0771, 47.6957, 82.8581



55.3537, 47.6957, 68.2260

Triad

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



51.0771, 47.6957, 82.8581



50.7134, 47.6957, 29.4715



35.4555, 47.6957, 52.4912

Complementary

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



51.0771, 47.6957, 82.8581



65.9081, 75.9091, 52.2546

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.



36.6017, 47.6957, 38.4645



51.0771, 47.6957, 82.8581



45.1392, 47.6957, 26.9259

Square

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



51.0771, 47.6957, 82.8581



55.1320, 47.6957, 37.6806



40.0372, 47.6957, 29.8547



36.7705, 47.6957, 69.3891

Rectangle

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



51.0771, 47.6957, 82.8581



56.7443, 47.6957, 56.8518



40.0372, 47.6957, 29.8547



35.5649, 47.6957, 47.3055

Sweetspot

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



51.0786, 47.6976, 82.8592



84.7535, 86.6277, 106.8616



58.0297, 66.1742, 86.0591



17.9595, 18.3073, 22.8371



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.



51.0786, 47.6976, 82.8592



57.9296, 52.3232, 101.6539



58.4507, 51.4981, 83.2042



13.8944, 14.0478, 18.1235



9.0181, 3.7149, 42.6249



0.7469, 0.3160, 3.1536

Inverse Universe

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



61.5917, 53.3229, 74.0659



73.1823, 60.4914, 88.5803



58.3991, 72.0381, 51.9032



14.8445, 14.5550, 17.3815



22.9951, 11.3323, 24.6670



1.7341, 0.8514, 2.0065

Previews

White Background



This preview shows how the XYZ color 51.0771, 47.6957, 82.8581 looks on a white background.

Color Contrast Check

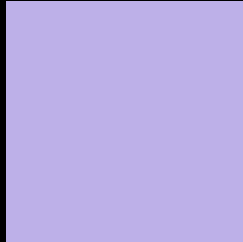
Large Text (above 18pt) WCAG AA × Fail

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 51.0771, 47.6957, 82.8581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

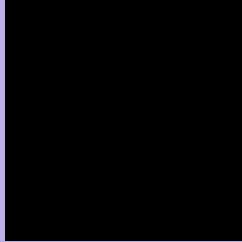
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.0771, 47.6957, 82.8581

Background



This preview shows how black text looks on a background with the XYZ color 51.0771, 47.6957, 82.8581.



This preview shows how white text looks on a background with the XYZ color 51.0771, 47.6957,

82.8581.

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

51.0771, 47.6957, 82.8581

Protanopia

48.4458, 48.0581, 86.0796

Deuteranopia

48.8765, 47.7591, 82.2437



Tritanopia

46.3344, 47.5544, 59.5602

Trichromacy



Original Color

51.0771, 47.6957, 82.8581

Protanomaly

49.4481, 47.9878, 85.2536

Deuteranomaly

49.6000, 47.8335, 82.2199

Tritanomaly

47.9617, 47.6099, 67.6346

Monochromacy



Original Color

51.0771, 47.6957, 82.8581

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

48.0010, 48.3325, 63.2991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0771, 47.6957, 82.8581 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, 176, 232)` looks like.

```
.text, #text, p{  
    color:rgb(189, 176, 232)  
}
```

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, 176, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 176, 232) }
```

Border

The CSS property to change the border of an element to XYZ 51.0771, 47.6957, 82.8581 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, 176, 232) }
```


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

```
.border{ border-color:rgb(189, 176, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 176, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 176, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 176, 232);  
box-shadow:4px 4px 4px 4px rgb(189, 176,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0771, 47.6957, 82.8581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 176, 232) }
```

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

```
.background{ background-color: rgb(189,  
176, 232) }
```

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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