

Converting Colors

XYZ(47.2160, 43.0066, 81.2484)

Have a look what the booklet for
XYZ(47.2160, 43.0066, 81.2484)
contains.

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Color

**XYZ(47.1161, 42.8657,
81.3919)**

Conversions

Conversions Part 1

Format	Color
Hex	B5A6E7
RGB	181, 166, 231
RGB Percent	71%, 65%, 91%
CMY	0.2902, 0.3490, 0.0941
CMYK	0.22, 0.28, 0.00, 0.09
HSL	254°, 58%, 78%
HSV	254°, 28%, 91%
XYZ	47.1161, 42.8657, 81.3919
YIQ	177.8950, -11.9250, 23.3950

Conversions

Conversions Part 2

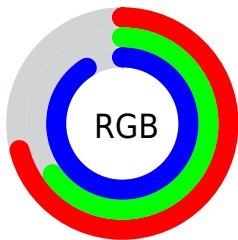
Format	Color
R _Y B	181, 166, 231
Decimal	11904743
CIE Lab	71.46, 18.71, -30.71
CIE LCh	71, 35.964, 301.356
Yxy	42.8657, 0.2749, 0.2501
Android (android.graphics.Color)	4290094823 (0xFFB5A6E7)
YUV	177.8950, 26.1808, 2.7231
Hunter-Lab	65.4719, 13.8796, -27.8765

Details

The XYZ color **47.1161, 42.8657, 81.3919** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.7789, 74.5049, 47.0975**, and the grayscale version is **42.1331, 44.3273, 48.2725**.

A 20% lighter version of the original color is **79.1663, 77.1100, 105.3190**, and **22.5076, 19.6418, 43.1624** is the 20% darker color. If you saturate the color by 10%, you get **39.3840, 33.1967, 79.9338**, and if you desaturate by 10%, it is **56.1366, 54.3204, 83.1282**.

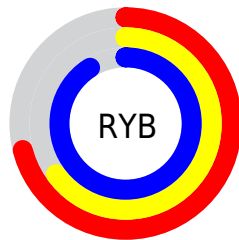
Distribution



Red (71%)

Green (65%)

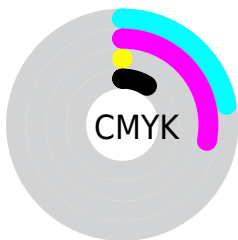
Blue (91%)



Red (71%)

Yellow (65%)

Blue (91%)

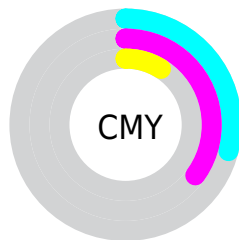


Cyan (22%)

Magenta (28%)

Yellow (0%)

Black (9%)



Cyan (29%)

Magenta (35%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1161, 42.8657, 81.3919 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 47.1161, 42.8657, 81.3919 by changing the saturation by 10% instead.

■ 47.1161, 42.8657,
81.3919

■ 47.1161, 42.8657,
81.3919

365.9189,
358.0592, 519.4413

■ 33.3358, 29.7798,
60.3315

■ 85.1046, 79.5082,
137.1499

■ 22.5443, 19.6715,
43.2589

■ 110.0435,
103.8335, 172.6847

■ 14.3762, 12.1565,
29.7554

139.4326,
132.6740, 213.8813

■ 8.4662, 6.8503,
19.4025

173.6372,
166.4142, 261.1583

■ 4.4490, 3.3687,
11.7817

213.0229,
205.4384, 314.9343

■ 1.9591, 1.3271,
6.4745

257.9548,

■ 0.6109, 0.1620,

250.1310, 375.6277

3.0623

308.7984,
300.8765, 443.6572

■ 0.0000, 0.0000,
1.1265

■ 0.0000, 0.0000,
0.0000

■ 47.1161, 42.8657,
81.3919

■ 47.1161, 42.8657,
81.3919

■ 39.3840, 33.1967,
79.9338

■ 56.1366, 54.3204,
83.1282

■ 32.8758, 25.2173,
78.7367

■ 66.4976, 67.6401,
85.1530

■ 27.5275, 18.8298,
77.7857

■ 78.2532, 82.9055,
87.4800

■ 23.2674, 13.9245,
77.0634

■ 90.3579, 98.0000,
89.7555

■ 20.0154, 10.3774,
76.5501

■ 91.4239, 98.5496,
89.8054

■ 17.6791, 8.0433,
76.2227

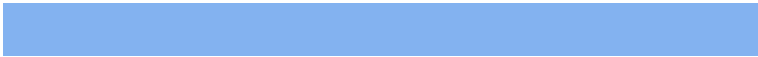
■ 16.1362, 6.7216,
76.0489

■ 15.9083, 6.5348,
76.0249

Harmonies

Analogous

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



41.0191, 42.8657, 88.6499



47.1161, 42.8657, 81.3919



51.8563, 42.8657, 64.5811

Triad

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



47.1161, 42.8657, 81.3919



46.5915, 42.8657, 23.0728



30.1621, 42.8657, 47.4682

Complementary

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



47.1161, 42.8657, 81.3919



63.7789, 74.5049, 47.0975

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.



31.3423, 42.8657, 32.4260



47.1161, 42.8657, 81.3919



40.4673, 42.8657, 20.6162

Square

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



47.1161, 42.8657, 81.3919



51.5329, 42.8657, 31.3642



34.9714, 42.8657, 23.5704



31.5745, 42.8657, 66.2956

Rectangle

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



47.1161, 42.8657, 81.3919



53.3916, 42.8657, 51.8744



34.9714, 42.8657, 23.5704



30.2679, 42.8657, 41.8323

Sweetspot

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



47.1175, 42.8674, 81.3929



83.3445, 84.8122, 106.5854



54.9424, 63.4605, 84.9553



17.3952, 17.5799, 22.7264



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.



47.1175, 42.8674, 81.3929



52.9229, 46.0666, 100.7101



55.3812, 47.1275, 81.7796



13.8925, 14.0468, 18.1234



9.0083, 3.7098, 42.6245



0.7460, 0.3155, 3.1536

Inverse Universe

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



58.9871, 49.2208, 71.3586



70.2924, 55.3739, 85.5751



55.3273, 70.1479, 46.7020



14.8454, 14.5553, 17.3860



23.0126, 11.3392, 24.7588



1.7353, 0.8518, 2.0125

Previews

White Background



This preview shows how the XYZ color 47.1161, 42.8657, 81.3919 looks on a white background.

Color Contrast Check

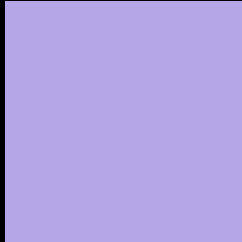
Large Text (above 18pt) WCAG AA × Fail

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 47.1161, 42.8657, 81.3919 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 47.1161, 42.8657, 81.3919

Background



This preview shows how black text looks on a background with the XYZ color 47.1161, 42.8657, 81.3919.



This preview shows how white text looks on a background with the XYZ color 47.1161, 42.8657,

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

47.1161, 42.8657, 81.3919

Protanopia

43.9885, 43.1114, 85.3598

Deuteranopia

43.9357, 42.8996, 80.8277



Tritanopia

41.4467, 42.7872, 53.6512

Trichromacy



Original Color

47.1161, 42.8657, 81.3919

Protanomaly

44.9519, 42.7970, 83.7333

Deuteranomaly

45.0198, 42.8976, 80.7702

Tritanomaly

43.3665, 42.7156, 63.0860

Monochromacy



Original Color

47.1161, 42.8657, 81.3919

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.8045, 43.8870, 58.9856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1161, 42.8657, 81.3919 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(181, 166, 231)` looks like.

```
.text, #text, p{  
    color:rgb(181, 166, 231)  
}
```

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(181, 166, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 166, 231) }
```

Border

The CSS property to change the border of an element to XYZ 47.1161, 42.8657, 81.3919 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(181, 166, 231) }
```


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

```
.border{ border-color:rgb(181, 166, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 166, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 166, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 166, 231);  
box-shadow:4px 4px 4px 4px rgb(181, 166,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1161, 42.8657, 81.3919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 166, 231) }
```

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

```
.background{ background-color: rgb(181,  
166, 231) }
```

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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