

Converting Colors

XYZ(47.1778, 43.3398, 80.3750)

Have a look what the booklet for
XYZ(47.1778, 43.3398, 80.3750)
contains.

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Color

**XYZ(47.3416, 43.5422,
80.7722)**

Conversions

Conversions Part 1

Format	Color
Hex	B5A8E6
RGB	181, 168, 230
RGB Percent	71%, 66%, 90%
CMY	0.2902, 0.3412, 0.0980
CMYK	0.21, 0.27, 0.00, 0.10
HSL	253°, 55%, 78%
HSV	253°, 27%, 90%
XYZ	47.3416, 43.5422, 80.7722
YIQ	178.9550, -12.1540, 22.0380

Conversions

Conversions Part 2

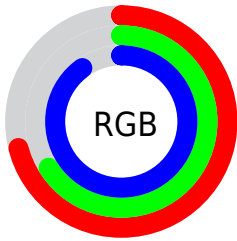
Format	Color
R_{YB}	181, 168, 230
Decimal	11905254
CIE _{Lab}	71.92, 17.37, -29.46
CIE _{LCh}	72, 34.201, 300.526
Yxy	43.5422, 0.2758, 0.2537
Android (android.graphics.Color)	4290095334 (0xFFB5A8E6)
YUV	178.9550, 25.1652, 1.7935
Hunter-Lab	65.9865, 12.5873, -26.3846

Details

The XYZ color **47.3416, 43.5422, 80.7722** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.9813, 74.1735, 47.9924**, and the grayscale version is **42.6998, 44.9235, 48.9217**.

A 20% lighter version of the original color is **79.6976, 78.1725, 105.4960**, and **22.6378, 20.0588, 42.7230** is the 20% darker color. If you saturate the color by 10%, you get **39.4774, 33.7332, 79.2941**, and if you desaturate by 10%, it is **56.5158, 55.1433, 82.5286**.

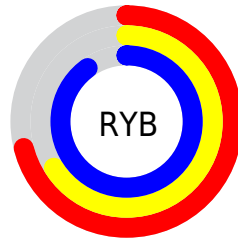
Distribution



Red (71%)

Green (66%)

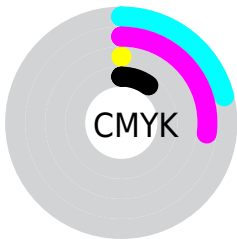
Blue (90%)



Red (71%)

Yellow (66%)

Blue (90%)

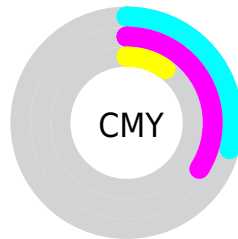


Cyan (21%)

Magenta (27%)

Yellow (0%)

Black (10%)



Cyan (29%)

Magenta (34%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3416, 43.5422, 80.7722 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 47.3416, 43.5422, 80.7722 by changing the saturation by 10% instead.

■ 47.3416, 43.5422,
80.7722

■ 47.3416, 43.5422,
80.7722

366.8026,
360.8368, 517.3066

■ 33.5149, 30.3108,
59.8241

■ 85.4389, 80.5284,
136.2721

■ 22.6823, 20.0746,
42.8525

■ 110.4403,
105.0520, 171.6609

■ 14.4785, 12.4493,
29.4389

139.8971,
134.1084, 212.7004

■ 8.5381, 7.0504,
19.1646

174.1750,
168.0821, 259.8091

■ 4.4958, 3.4937,
11.6113

213.6391,
207.3573, 313.4055

■ 1.9863, 1.3946,
6.3603

258.6548,

■ 0.6262, 0.2127,

252.3186, 373.9082

2.9930

309.5875,
303.3503, 441.7357

■ 0.0000, 0.0000,
1.0911

■ 0.0000, 0.0000,
0.0000

■ 47.3416, 43.5422,
80.7722

■ 47.3416, 43.5422,
80.7722

■ 39.4774, 33.7332,
79.2941

■ 56.5158, 55.1433,
82.5286

■ 32.8580, 25.6209,
78.0771

■ 67.0525, 68.6150,
84.5736

■ 27.4188, 19.1089,
77.1069

■ 79.0066, 84.0375,
86.9204

■ 23.0876, 14.0890,
76.3662

■ 90.8114, 98.2501,
89.0415

■ 19.7838, 10.4391,
75.8358

■ 91.2831, 98.4932,
89.0636

■ 17.4151, 8.0172,
75.4932

■ 15.8674, 6.6428,
75.3095

■ 15.5125, 6.3470,
75.2711

Harmonies

Analogous

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



41.4885, 43.5422, 87.2821



47.3416, 43.5422, 80.7722



51.9266, 43.5422, 65.0168

Triad

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



47.3416, 43.5422, 80.7722



47.1471, 43.5422, 24.6015



31.1620, 43.5422, 47.7051

Complementary

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



47.3416, 43.5422, 80.7722



63.9813, 74.1735, 47.9924

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.



32.3773, 43.5422, 33.3089



47.3416, 43.5422, 80.7722



41.2828, 43.5422, 22.0168

Square

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



47.3416, 43.5422, 80.7722



51.8071, 43.5422, 32.9074



35.9513, 43.5422, 24.7922



32.4646, 43.5422, 65.6484

Rectangle

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



47.3416, 43.5422, 80.7722



53.4505, 43.5422, 52.8907



35.9513, 43.5422, 24.7922



31.2882, 43.5422, 42.3217

Sweetspot

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



47.3430, 43.5440, 80.7732



83.1991, 84.7372, 106.5786



55.4005, 63.9749, 84.2921



17.3588, 17.5612, 22.7247



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.



47.3430, 43.5440, 80.7732



54.4329, 48.2735, 101.0565



55.2656, 47.6282, 81.1440



13.8638, 14.0320, 18.1221



8.8645, 3.6357, 42.6177



0.7315, 0.3081, 3.1529

Inverse Universe

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



59.1615, 49.8397, 72.1491



71.6770, 57.4674, 88.1198



55.7618, 69.9362, 47.6077



14.8589, 14.5607, 17.4572



23.2883, 11.4495, 26.2110



1.7535, 0.8591, 2.1084

Previews

White Background



This preview shows how the XYZ color 47.3416, 43.5422, 80.7722 looks on a white background.

Color Contrast Check

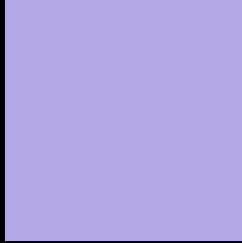
Large Text (above 18pt) WCAG AA × Fail

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 47.3416, 43.5422, 80.7722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

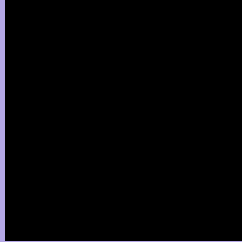
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3416, 43.5422, 80.7722

Background



This preview shows how black text looks on a background with the XYZ color 47.3416, 43.5422, 80.7722.



This preview shows how white text looks on a background with the XYZ color 47.3416, 43.5422,

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

47.3416, 43.5422, 80.7722

Protanopia

44.4295, 43.6412, 84.6792

Deuteranopia

44.6035, 43.5436, 80.1826



Tritanopia

42.2752, 43.7670, 54.9349

Trichromacy



Original Color

47.3416, 43.5422, 80.7722

Protanomaly

45.3969, 43.6037, 83.1145

Deuteranomaly

45.5004, 43.4409, 80.1155

Tritanomaly

44.0945, 43.6420, 63.8573

Monochromacy



Original Color

47.3416, 43.5422, 80.7722

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.3454, 44.4405, 59.6667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3416, 43.5422, 80.7722 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, 168, 230)` looks like.

```
.text, #text, p{  
    color:rgb(181, 168, 230)  
}
```

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, 168, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 168, 230) }
```

Border

The CSS property to change the border of an element to XYZ 47.3416, 43.5422, 80.7722 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, 168, 230) }
```


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

```
.border{ border-color:rgb(181, 168, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 168, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 168, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 168, 230);  
box-shadow:4px 4px 4px 4px rgb(181, 168,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3416, 43.5422, 80.7722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 168, 230) }
```

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

```
.background{ background-color: rgb(181,  
168, 230) }
```

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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