

Converting Colors

XYZ(47.0025, 44.0096, 74.7656)

Have a look what the booklet for
XYZ(47.0025, 44.0096, 74.7656)
contains.

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Color

**XYZ(46.9543, 44.0372,
74.4319)**

Conversions

Conversions Part 1

Format	Color
Hex	B7AADD
RGB	183, 170, 221
RGB Percent	72%, 67%, 87%
CMY	0.2823, 0.3333, 0.1333
CMYK	0.17, 0.23, 0.00, 0.13
HSL	255°, 43%, 77%
HSV	255°, 23%, 87%
XYZ	46.9543, 44.0372, 74.4319
YIQ	179.7010, -8.6230, 18.6170

Conversions

Conversions Part 2

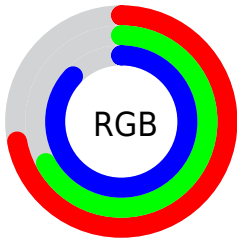
Format	Color
RYB	183, 170, 221
Decimal	12036829
CIELab	72.25, 14.86, -24.02
CIELCh	72, 28.245, 301.736
Yxy	44.0372, 0.2838, 0.2662
Android (android.graphics.Color)	4290226909 (0xFFB7AADD)
YUV	179.7010, 20.3604, 2.8932
Hunter-Lab	66.3605, 10.1692, -20.0490

Details

The XYZ color **46.9543, 44.0372, 74.4319** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **59.1261, 68.0262, 48.0463**, and the grayscale version is **43.1211, 45.3667, 49.4044**.

A 20% lighter version of the original color is **80.5718, 79.4211, 105.6910**, and **22.4146, 20.3772, 38.8282** is the 20% darker color. If you saturate the color by 10%, you get **39.4644, 34.5351, 72.9933**, and if you desaturate by 10%, it is **55.6017, 55.1719, 76.1261**.

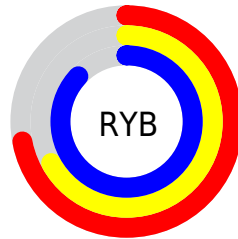
Distribution



Red (72%)

Green (67%)

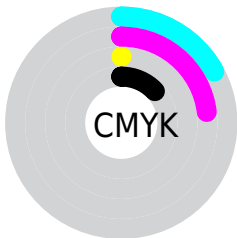
Blue (87%)



Red (72%)

Yellow (67%)

Blue (87%)

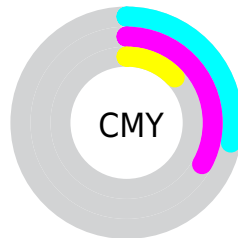


Cyan (17%)

Magenta (23%)

Yellow (0%)

Black (13%)



Cyan (28%)

Magenta (33%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9543, 44.0372, 74.4319 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 46.9543, 44.0372, 74.4319 by changing the saturation by 10% instead.

■ 46.9543, 44.0372,
74.4319

■ 46.9543, 44.0372,
74.4319

365.2840,
362.8601, 495.1659

■ 33.2073, 30.6998,
54.6487

■ 84.8646, 81.2737,
127.2476

■ 22.4453, 20.3703,
38.7238

109.7586,
105.9416, 161.1171

■ 14.3029, 12.6645,
26.2388

139.0989,
135.1550, 200.5191

■ 8.4148, 7.1979,
16.7750

173.2511,
169.2985, 245.8722

■ 4.4155, 3.5862,
9.9139

212.5803,
208.7563, 297.5949

■ 1.9398, 1.4449,
5.2371

257.4519,

■ 0.5998, 0.2495,

253.9129, 356.1057

2.3259

308.2314,
305.1527, 421.8232

■ 0.0000, 0.0000,
0.7457

■ 0.0000, 0.0000,
0.0000

■ 46.9543, 44.0372,
74.4319

■ 46.9543, 44.0372,
74.4319

■ 39.4644, 34.5351,
72.9933

■ 55.6017, 55.1719,
76.1261

■ 33.0772, 26.5825,
71.7949

■ 65.4497, 68.0064,
78.0843

■ 27.7398, 20.0972,
70.8244

■ 76.5444, 82.6103,
80.3184

■ 23.3928, 14.9866,
70.0671

■ 87.8323, 96.8566,
82.4733

■ 19.9708, 11.1479,
69.5065

■ 90.0513, 98.0005,
82.5771

■ 17.3994, 8.4629,
69.1238

■ 15.5916, 6.7901,
68.8962

■ 14.7006, 6.0708,
68.8043

Harmonies

Analogous

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



42.1392, 44.0372, 79.8966



46.9543, 44.0372, 74.4319



50.6167, 44.0372, 61.7370

Triad

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



46.9543, 44.0372, 74.4319



46.4280, 44.0372, 28.0664



33.2114, 44.0372, 48.7626

Complementary

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



46.9543, 44.0372, 74.4319



59.1261, 68.0262, 48.0463

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.



34.1695, 44.0372, 36.3838



46.9543, 44.0372, 74.4319



41.5742, 44.0372, 25.9053

Square

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



46.9543, 44.0372, 74.4319



50.2967, 44.0372, 35.2304



37.1409, 44.0372, 28.6363



34.4168, 44.0372, 63.4104

Rectangle

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



46.9543, 44.0372, 74.4319



51.7772, 44.0372, 51.8901



37.1409, 44.0372, 28.6363



33.2908, 44.0372, 44.2127

Sweetspot

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



46.9557, 44.0390, 74.4329



84.8926, 86.6994, 106.8681



52.2470, 59.0016, 77.0421



17.9916, 18.3239, 22.8386



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.



46.9557, 44.0390, 74.4329



59.4101, 53.8635, 101.8732



53.5100, 47.4179, 74.7396



12.6482, 12.7768, 16.4517



8.6288, 3.5725, 39.9732



0.6386, 0.2725, 2.5934

Inverse Universe

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



55.5801, 48.6775, 66.1427



73.5546, 61.4779, 87.9585



52.5826, 64.6529, 47.7401



13.4652, 13.2152, 15.7111



21.2982, 10.5203, 21.7481



1.4139, 0.6952, 1.5883

Previews

White Background



This preview shows how the XYZ color 46.9543, 44.0372, 74.4319 looks on a white background.

Color Contrast Check

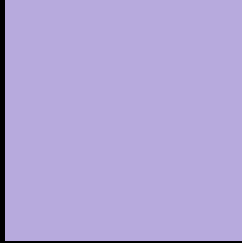
Large Text (above 18pt) WCAG AA × Fail

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 46.9543, 44.0372, 74.4319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

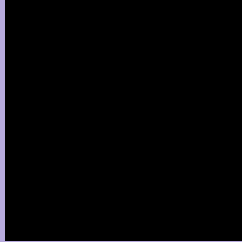
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9543, 44.0372, 74.4319

Background



This preview shows how black text looks on a background with the XYZ color 46.9543, 44.0372, 74.4319.



This preview shows how white text looks on a background with the XYZ color 46.9543, 44.0372,

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

46.9543, 44.0372, 74.4319

Protanopia

44.4376, 44.0955, 77.4033

Deuteranopia

45.0676, 44.2101, 73.8682



Tritanopia

43.1797, 44.2334, 54.9773

Trichromacy



Original Color

46.9543, 44.0372, 74.4319

Protanomaly

45.4114, 44.0396, 76.6281

Deuteranomaly

45.7663, 44.2846, 73.8458

Tritanomaly

44.5011, 44.1924, 61.4429

Monochromacy



Original Color

46.9543, 44.0372, 74.4319

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.4317, 44.8146, 57.9380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9543, 44.0372, 74.4319 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(183, 170, 221)` looks like.

```
.text, #text, p{  
    color:rgb(183, 170, 221)  
}
```

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(183, 170, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 170, 221) }
```

Border

The CSS property to change the border of an element to XYZ 46.9543, 44.0372, 74.4319 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(183, 170, 221) }
```


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

```
.border{ border-color:rgb(183, 170, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 170, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 170, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 170, 221);  
box-shadow:4px 4px 4px 4px rgb(183, 170,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9543, 44.0372, 74.4319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 170, 221) }
```

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

```
.background{ background-color: rgb(183,  
170, 221) }
```

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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