

Converting Colors

XYZ(46.8060, 41.5691, 74.7829)

Have a look what the booklet for
XYZ(46.8060, 41.5691, 74.7829)
contains.

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Color

**XYZ(46.6687, 41.4550,
74.6492)**

Conversions

Conversions Part 1

Format	Color
Hex	BCA1DE
RGB	188, 161, 222
RGB Percent	74%, 63%, 87%
CMY	0.2627, 0.3686, 0.1294
CMYK	0.15, 0.27, 0.00, 0.13
HSL	267°, 48%, 75%
HSV	267°, 27%, 87%
XYZ	46.6687, 41.4550, 74.6492
YIQ	176.0270, -3.4890, 24.6950

Conversions

Conversions Part 2

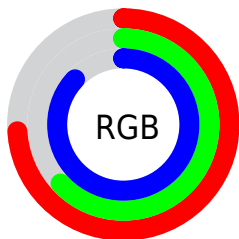
Format	Color
RYB	188, 161, 222
Decimal	12362206
CIELab	70.49, 21.64, -27.23
CIELCh	70, 34.779, 308.477
Yxy	41.4550, 0.2867, 0.2547
Android (android.graphics.Color)	4290552286 (0xFFBCA1DE)
YUV	176.0270, 22.6647, 10.5003
Hunter-Lab	64.3856, 16.7078, -23.6715

Details

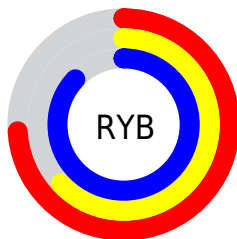
The XYZ color **46.6687, 41.4550, 74.6492** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.0613, 66.4189, 43.6381**, and the grayscale version is **41.1689, 43.3129, 47.1678**.

A 20% lighter version of the original color is **80.2621, 75.7442, 104.9976**, and **22.2752, 18.7956, 39.0131** is the 20% darker color. If you saturate the color by 10%, you get **40.2097, 32.8693, 73.3331**, and if you desaturate by 10%, it is **54.0805, 51.5564, 76.2090**.

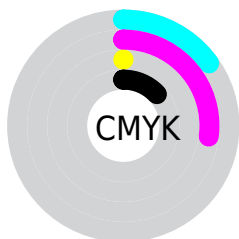
Distribution



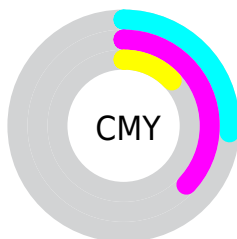
- Red (74%)
- Green (63%)
- Blue (87%)



- Red (74%)
- Yellow (63%)
- Blue (87%)



- Cyan (15%)
- Magenta (27%)
- Yellow (0%)
- Black (13%)



- Cyan (26%)
- Magenta (37%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6687, 41.4550, 74.6492 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 46.6687, 41.4550, 74.6492 by changing the saturation by 10% instead.

46.6687, 41.4550,
74.6492

46.6687, 41.4550,
74.6492

364.1616,
352.2187, 495.9342

32.9807, 28.6748,
54.8256

84.4406, 77.3741,
127.5582

22.2708, 18.8349,
38.8644

109.2553,
101.2818, 161.4806

14.1737, 11.5511,
26.3472

138.5095,
129.6675, 200.9397

8.3241, 6.4388,
16.8555

172.5686,
162.9154, 246.3540

4.3566, 3.1137,
9.9707

211.7980,
201.4102, 298.1421

1.9058, 1.1914,
5.2742

256.5631,

0.5802, 0.0546,

245.5360, 356.7224

2.3475

307.2292,
295.6774, 422.5136

■ 0.0000, 0.0000,
0.7576

■ 0.0000, 0.0000,
0.0000

■ 46.6687, 41.4550,
74.6492

■ 46.6687, 41.4550,
74.6492

■ 40.2097, 32.8693,
73.3331

■ 54.0805, 51.5564,
76.2090

■ 34.6565, 25.7178,
72.2454

■ 62.4812, 63.2390,
78.0212

■ 29.9639, 19.9192,
71.3735

■ 71.9097, 76.5708,
80.0976

■ 26.0806, 15.3816,
70.7023

■ 82.4014, 91.6140,
82.4482

■ 22.9493, 12.0011,
70.2148

■ 88.3235, 97.0944,
83.1939

■ 20.5035, 9.6564,
69.8912

■ 90.1850, 98.0540,
83.2810

■ 18.6557, 8.1845,
69.7045

■ 18.2501, 7.8852,
69.6681

Harmonies

Analogous

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



41.0497, 41.4550, 84.1322



46.6687, 41.4550, 74.6492



50.5758, 41.4550, 57.7432

Triad

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



46.6687, 41.4550, 74.6492



43.5873, 41.4550, 21.6718



29.4705, 41.4550, 49.9547

Complementary

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



46.6687, 41.4550, 74.6492



55.0613, 66.4189, 43.6381

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.



30.0081, 41.4550, 34.5144



46.6687, 41.4550, 74.6492



37.7985, 41.4550, 20.5530

Square

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



46.6687, 41.4550, 74.6492



48.6801, 41.4550, 28.2014



32.9312, 41.4550, 24.6535



31.3842, 41.4550, 67.7761

Rectangle

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



46.6687, 41.4550, 74.6492



51.4848, 41.4550, 45.9820



32.9312, 41.4550, 24.6535



29.3746, 41.4550, 44.3033

Sweetspot

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



46.6700, 41.4567, 74.6501



84.8237, 85.5747, 106.6546



47.5265, 52.1371, 76.6665



17.7661, 17.7712, 22.7438



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.



46.6700, 41.4567, 74.6501



58.6240, 49.7130, 101.1135



54.8244, 45.6604, 75.0317



13.5250, 13.5387, 17.2881



10.9634, 4.7472, 41.3868



0.8616, 0.3815, 2.8735

Inverse Universe

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



52.7207, 44.9611, 57.5311



68.3973, 55.3783, 73.2452



48.0866, 62.8233, 43.3117



14.0255, 13.8278, 15.9043



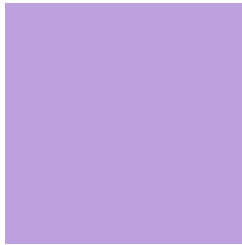
20.1012, 10.1075, 12.4646



1.4381, 0.7185, 1.1001

Previews

White Background



This preview shows how the XYZ color 46.6687, 41.4550, 74.6492 looks on a white background.

Color Contrast Check

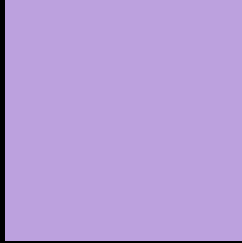
Large Text (above 18pt) WCAG AA × Fail

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 46.6687, 41.4550, 74.6492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

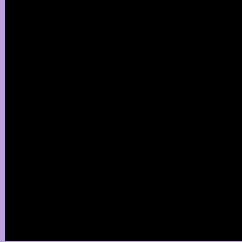
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6687, 41.4550, 74.6492

Background



This preview shows how black text looks on a background with the XYZ color 46.6687, 41.4550, 74.6492.



This preview shows how white text looks on a background with the XYZ color 46.6687, 41.4550,

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

46.6687, 41.4550, 74.6492

Protanopia

42.2279, 41.4745, 79.9085

Deuteranopia

42.4161, 41.4358, 73.4725



Tritanopia

41.6875, 41.5771, 50.0840

Trichromacy



Original Color

46.6687, 41.4550, 74.6492

Protanomaly

43.6946, 41.4533, 77.6498

Deuteranomaly

43.9209, 41.3771, 74.0783

Tritanomaly

43.4814, 41.4940, 58.5407

Monochromacy



Original Color

46.6687, 41.4550, 74.6492

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.0109, 42.6794, 56.4231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6687, 41.4550, 74.6492 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(188, 161, 222)` looks like.

```
.text, #text, p{  
    color:rgb(188, 161, 222)  
}
```

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(188, 161, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 161, 222) }
```

Border

The CSS property to change the border of an element to XYZ 46.6687, 41.4550, 74.6492 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(188, 161, 222) }
```


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

```
.border{ border-color:rgb(188, 161, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 161, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 161, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 161, 222);  
box-shadow:4px 4px 4px 4px rgb(188, 161,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6687, 41.4550, 74.6492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 161, 222) }
```

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

```
.background{ background-color: rgb(188,  
161, 222) }
```

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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