

Converting Colors

XYZ(46.7665, 39.6784, 48.1975)

Have a look what the booklet for
XYZ(46.7665, 39.6784, 48.1975)
contains.

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Color

**XYZ(46.7454, 39.5746,
48.3549)**

Conversions

Conversions Part 1

Format	Color
Hex	D597B4
RGB	213, 151, 180
RGB Percent	84%, 59%, 71%
CMY	0.1647, 0.4078, 0.2941
CMYK	0.00, 0.29, 0.15, 0.16
HSL	332°, 42%, 71%
HSV	332°, 29%, 84%
XYZ	46.7454, 39.5746, 48.3549
YIQ	172.8440, 27.6430, 22.1630

Conversions

Conversions Part 2

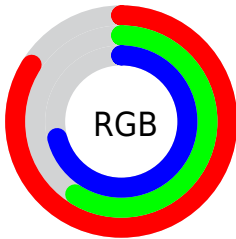
Format	Color
R _Y B	213, 151, 180
Decimal	13998004
CIE Lab	69.17, 27.58, -5.75
CIE LCh	69, 28.173, 348.219
Yxy	39.5746, 0.3471, 0.2939
Android (android.graphics.Color)	4292188084 (0xFFD597B4)
YUV	172.8440, 3.5279, 35.2168
Hunter-Lab	62.9083, 22.5487, -1.5378

Details

The XYZ color **46.7454, 39.5746, 48.3549** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.2101, 57.6296, 54.0909**, and the grayscale version is **39.6147, 41.6778, 45.3871**.

A 20% lighter version of the original color is **78.4516, 71.4587, 89.0149**, and **22.1972, 17.6241, 22.3105** is the 20% darker color. If you saturate the color by 10%, you get **42.5141, 32.8851, 41.4772**, and if you desaturate by 10%, it is **51.6928, 47.5441, 55.9383**.

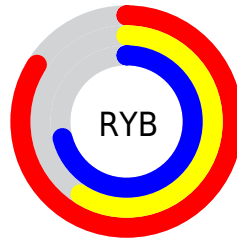
Distribution



Red (84%)

Green (59%)

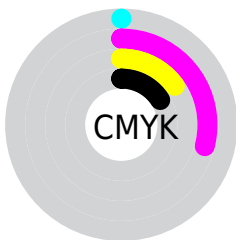
Blue (71%)



Red (84%)

Yellow (59%)

Blue (71%)

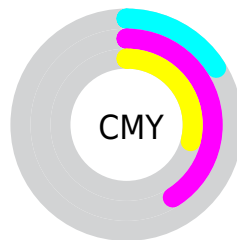


Cyan (0%)

Magenta (29%)

Yellow (15%)

Black (16%)



Cyan (16%)


Magenta (41%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7454, 39.5746, 48.3549 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 46.7454, 39.5746, 48.3549 by changing the saturation by 10% instead.

 46.7454, 39.5746,
48.3549


 46.7454, 39.5746,
48.3549


364.4633,
344.3273, 396.7464

 33.0415, 27.2070,
33.7460


 84.5545, 74.5153,
89.1036

 22.3177, 17.7288,
22.4228


 109.3905, 97.8572,
116.0806

 14.2084, 10.7554,
13.9666


138.6678,
125.6260, 148.0173

 8.3484, 5.9026,
7.9590

172.7520,
158.2061, 185.3323

 4.3724, 2.7860,
3.9813

212.0082,
195.9819, 228.4442

 1.9149, 1.0210,
1.6151

256.8020,

 0.5855, 0.0000,

239.3377, 277.7715

0.3016

307.4985,
288.6581, 333.7327

■ 0.0000, 0.0000,
0.0000

■ 46.7454, 39.5746,
48.3549

■ 46.7454, 39.5746,
48.3549

■ 42.5141, 32.8851,
41.4772

■ 51.6928, 47.5441,
55.9383

■ 38.9598, 27.4024,
35.2798

■ 57.3858, 56.8507,
64.2468

■ 36.0448, 23.0546,
29.7392

■ 63.8566, 67.5547,
73.3018

■ 33.7262, 19.7593,
24.8288

■ 71.1342, 79.7110,
83.1231

■ 31.9551, 17.4233,
20.5201

■ 78.4416, 91.7626,
93.4614

■ 30.6745, 15.9365,
16.7809

■ 80.1485, 92.4453,
102.4493

■ 29.7926, 15.1201,
13.5668

■ 81.2508, 92.8863,
108.2542

■ 29.7228, 15.0591,
13.3010

Harmonies

Analogous

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



44.4492, 39.5746, 61.8184



46.7454, 39.5746, 48.3549



46.4550, 39.5746, 35.7912

Triad

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



46.7454, 39.5746, 48.3549



34.9712, 39.5746, 23.5635



32.1342, 39.5746, 64.3580

Complementary

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



46.7454, 39.5746, 48.3549



45.2101, 57.6296, 54.0909

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.



29.9733, 39.5746, 51.3192



46.7454, 39.5746, 48.3549



31.5189, 39.5746, 28.5869

Square

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



46.7454, 39.5746, 48.3549



39.4105, 39.5746, 23.0846



29.7575, 39.5746, 38.2219



35.8739, 39.5746, 72.2165

Rectangle

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



46.7454, 39.5746, 48.3549



44.8370, 39.5746, 29.4946



29.7575, 39.5746, 38.2219



31.2124, 39.5746, 60.3284

Sweetspot

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



46.7465, 39.5764, 48.3557



86.2557, 85.4594, 96.5722



42.6148, 37.0107, 67.8491



18.1776, 17.8239, 20.2626



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.



46.7465, 39.5764, 48.3557



66.1537, 52.9708, 66.0856



44.2616, 38.8497, 34.4462



12.6626, 12.5165, 14.1632



18.2065, 9.2189, 8.3914



1.1397, 0.5727, 0.7252

Inverse Universe

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



46.7465, 39.5764, 48.3557



66.1537, 52.9708, 66.0856



48.3092, 58.4547, 71.6881



12.6626, 12.5165, 14.1632



18.2065, 9.2189, 8.3914



1.1397, 0.5727, 0.7252

Previews

White Background



This preview shows how the XYZ color 46.7454, 39.5746, 48.3549 looks on a white background.

Color Contrast Check

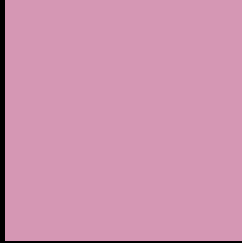
Large Text (above 18pt) WCAG AA × Fail

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 46.7454, 39.5746, 48.3549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

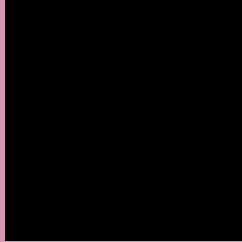
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7454, 39.5746, 48.3549

Background



This preview shows how black text looks on a background with the XYZ color 46.7454, 39.5746, 48.3549.



This preview shows how white text looks on a background with the XYZ color 46.7454, 39.5746,

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

46.7454, 39.5746, 48.3549

Protanopia

39.1325, 39.8738, 54.9241

Deuteranopia

40.6027, 39.7104, 47.6443



Tritanopia

45.2111, 39.6767, 40.8728

Trichromacy



Original Color

46.7454, 39.5746, 48.3549

Protanomaly

41.4184, 39.4958, 52.4542

Deuteranomaly

42.5271, 39.3884, 48.0091

Tritanomaly

45.7983, 39.6818, 43.2757

Monochromacy



Original Color

46.7454, 39.5746, 48.3549

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.0306, 40.7362, 46.7219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7454, 39.5746, 48.3549 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(213, 151, 180)` looks like.

```
.text, #text, p{  
    color:rgb(213, 151, 180)  
}
```

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(213, 151, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 151, 180) }
```

Border

The CSS property to change the border of an element to XYZ 46.7454, 39.5746, 48.3549 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(213, 151, 180) }
```


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

```
.border{ border-color:rgb(213, 151, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 151, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 151, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 151, 180);  
box-shadow:4px 4px 4px 4px rgb(213, 151,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7454, 39.5746, 48.3549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 151, 180) }
```

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

```
.background{ background-color: rgb(213,  
151, 180) }
```

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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