

Converting Colors

XYZ(44.4575, 31.9732, 67.4169)

Have a look what the booklet for
XYZ(44.4575, 31.9732, 67.4169)
contains.

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Color

**XYZ(44.3974, 32.0001,
67.4550)**

Conversions

Conversions Part 1

Format	Color
Hex	CD7BD6
RGB	205, 123, 214
RGB Percent	80%, 48%, 84%
CMY	0.1961, 0.5176, 0.1608
CMYK	0.04, 0.43, 0.00, 0.16
HSL	294°, 53%, 66%
HSV	294°, 43%, 84%
XYZ	44.3974, 32.0001, 67.4550
YIQ	157.8920, 19.6610, 45.6850

Conversions

Conversions Part 2

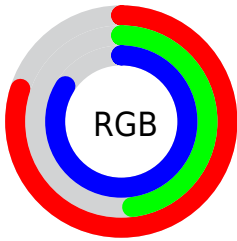
Format	Color
R _Y B	205, 123, 214
Decimal	13466582
CIE Lab	63.34, 45.96, -33.70
CIE LCh	63, 56.986, 323.748
Yxy	32.0001, 0.3086, 0.2225
Android (android.graphics.Color)	4291656662 (0xFFCD7BD6)
YUV	157.8920, 27.6612, 41.3137
Hunter-Lab	56.5686, 41.0991, -31.1020

Details

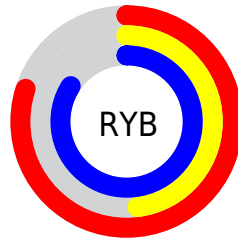
The XYZ color **44.3974, 32.0001, 67.4550** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.1385, 54.4295, 27.2889**, and the grayscale version is **32.3239, 34.0073, 37.0339**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **20.9057, 13.3992, 34.2853** is the 20% darker color. If you saturate the color by 10%, you get **41.4476, 26.9607, 66.6382**, and if you desaturate by 10%, it is **47.9375, 38.2068, 68.4669**.

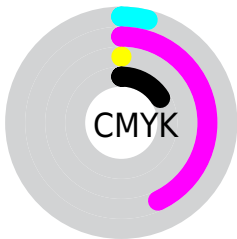
Distribution



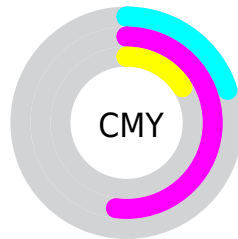
- Red (80%)
- Green (48%)
- Blue (84%)



- Red (80%)
- Yellow (48%)
- Blue (84%)



- Cyan (4%)
- Magenta (43%)
- Yellow (0%)
- Black (16%)





- Cyan (20%)
- Magenta (52%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.3974, 32.0001, 67.4550 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 44.3974, 32.0001, 67.4550 by changing the saturation by 10% instead.


 44.3974, 32.0001,
67.4550


 44.3974, 32.0001,
67.4550


355.1524,
311.1197, 470.1081


 31.1823, 21.3616,
48.9906


 81.0580, 62.8112,
117.2190

 20.8902, 13.3886,
34.2464


 105.2343, 83.7527,
149.3556

 13.1558, 7.6967,
22.8041


 133.7950,
108.8972, 186.8867

 7.6136, 3.9015,
14.2450

167.1055,
138.6291, 230.2308

 3.8984, 1.6186,
8.1506

205.5311,
173.3330, 279.8064

 1.6448, 0.3701,
4.1023

249.4372,

 0.4214, 0.0000,

213.3931, 336.0322

1.6816

299.1892,
259.1939, 399.3266

■ 0.0000, 0.0000,
0.3481

■ 0.0000, 0.0000,
0.0000

■ 44.3974, 32.0001,
67.4550

■ 44.3974, 32.0001,
67.4550

■ 41.4476, 26.9607,
66.6382

■ 47.9375, 38.2068,
68.4669

■ 39.0466, 23.0079,
66.0018


■ 52.0993, 45.6461,
69.6835


■ 37.1527, 20.0575,
65.5322


■ 56.9161, 54.3834,
71.1161


■ 35.7165, 18.0113,
65.2129

■ 62.4176, 64.4785,
72.7747


 34.6790, 16.7507,
65.0243


 68.6319, 75.9871,
74.6685

 34.0884, 16.1711,
64.9435

 75.5853, 88.9620,
76.8064

 77.3573, 91.5621,
77.2149

 78.0013, 91.8940,
77.2451

 78.6534, 92.2302,
77.2756

Harmonies

Analogous

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



36.9581, 32.0001, 91.8276



44.3974, 32.0001, 67.4550



48.1704, 32.0001, 39.8029

Triad

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



44.3974, 32.0001, 67.4550



32.1011, 32.0001, 7.0081



18.5131, 32.0001, 55.4845

Complementary

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



44.3974, 32.0001, 67.4550



37.1385, 54.4295, 27.2889

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.



17.6667, 32.0001, 30.3127



44.3974, 32.0001, 67.4550



24.6939, 32.0001, 8.2520

Square

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



44.3974, 32.0001, 67.4550



40.3208, 32.0001, 10.2035



19.7279, 32.0001, 14.9159



22.2812, 32.0001, 83.0740

Rectangle

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



44.3974, 32.0001, 67.4550



47.7029, 32.0001, 25.4851



19.7279, 32.0001, 14.9159



17.9080, 32.0001, 46.2492

Sweetspot

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



44.3985, 32.0015, 67.4557



84.1756, 80.0264, 105.6179



28.5721, 25.5972, 67.0537



17.6596, 16.4780, 22.4998



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.



44.3985, 32.0015, 67.4557



62.0428, 40.7763, 99.2083



42.8113, 31.6617, 45.7653



12.8264, 12.5674, 15.6872



20.6540, 9.8000, 39.2562



1.2816, 0.6096, 2.3694

Inverse Universe

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



38.9804, 30.1294, 25.5922



53.1411, 37.7441, 28.4578



38.5088, 54.8220, 41.5367



12.4727, 12.4406, 13.1633



16.8623, 8.6812, 1.3130



1.0345, 0.5306, 0.1710

Previews

White Background



This preview shows how the XYZ color 44.3974, 32.0001, 67.4550 looks on a white background.

Color Contrast Check

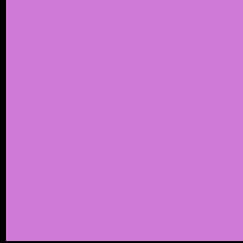
Large Text (above 18pt) WCAG AA × Fail

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 44.3974, 32.0001, 67.4550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

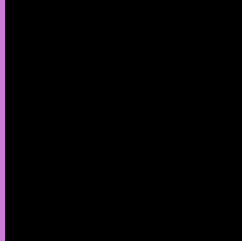
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.3974, 32.0001, 67.4550

Background



This preview shows how black text looks on a background with the XYZ color 44.3974, 32.0001, 67.4550.



This preview shows how white text looks on a background with the XYZ color 44.3974, 32.0001,

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

44.3974, 32.0001, 67.4550

Protanopia

34.5210, 32.4586, 84.5664

Deuteranopia

33.2181, 32.4632, 64.8368



Tritanopia

37.1987, 32.0508, 32.2428

Trichromacy



Original Color

44.3974, 32.0001, 67.4550

Protanomaly

36.8046, 31.4792, 78.2650

Deuteranomaly

36.1830, 31.4343, 65.7884

Tritanomaly

39.3871, 31.8957, 43.1103

Monochromacy



Original Color

44.3974, 32.0001, 67.4550

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

35.8405, 32.5791, 46.5189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3974, 32.0001, 67.4550 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(205, 123, 214)` looks like.

```
.text, #text, p{  
    color:rgb(205, 123, 214)  
}
```

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(205, 123, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 123, 214) }
```

Border

The CSS property to change the border of an element to XYZ 44.3974, 32.0001, 67.4550 is called "border". The border property can be set on classes, ids or directly on the HTML element.

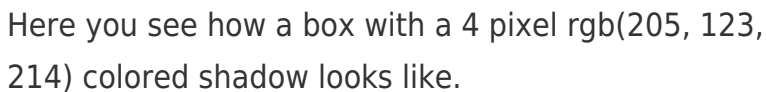
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 123, 214) }
```


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

```
.border{ border-color:rgb(205, 123, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 123, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 123, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 123, 214);  
box-shadow:4px 4px 4px 4px rgb(205, 123,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3974, 32.0001, 67.4550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 123, 214) }
```

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

```
.background{ background-color: rgb(205,  
123, 214) }
```

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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