

# Converting Colors

XYZ(44.7876, 32.5549, 42.4337)

Have a look what the booklet for  
XYZ(44.7876, 32.5549, 42.4337)  
contains.

<b>XYZ(44.7416, 32.5473, 42.4522)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(44.7416, 32.5473,  
42.4522)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DF7AAB
RGB	223, 122, 171
RGB Percent	87%, 48%, 67%
CMY	0.1255, 0.5215, 0.3294
CMYK	0.00, 0.45, 0.23, 0.13
HSL	331°, 61%, 68%
HSV	331°, 45%, 87%
XYZ	44.7416, 32.5473, 42.4522
YIQ	157.7850, 44.4670, 36.6510

# Conversions

## Conversions Part 2

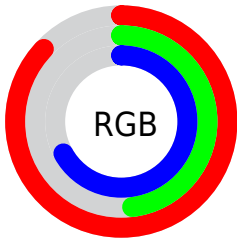
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 122, 171
Decimal	14645931
CIE <sub>Lab</sub>	63.79, 45.02, -8.54
CIE <sub>LCh</sub>	64, 45.819, 349.264
Yxy	32.5473, 0.3737, 0.2718
Android (android.graphics.Color)	4292836011 (0xFFDF7AAB)
YUV	157.7850, 6.5150, 57.1936
Hunter-Lab	57.0502, 40.1505, -4.1837

# Details

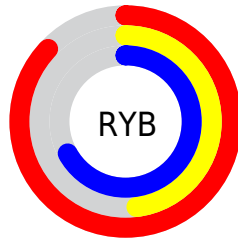
The XYZ color **44.7416, 32.5473, 42.4522** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **42.0552, 59.9697, 49.4060**, and the grayscale version is **32.3603, 34.0455, 37.0756**.

A 20% lighter version of the original color is **70.6896, 58.1953, 79.4586**, and **21.1838, 13.6951, 18.9797** is the 20% darker color. If you saturate the color by 10%, you get **41.2637, 27.2673, 36.1258**, and if you desaturate by 10%, it is **48.9447, 39.1248, 49.4900**.

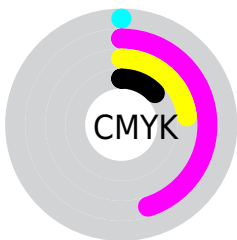
# Distribution



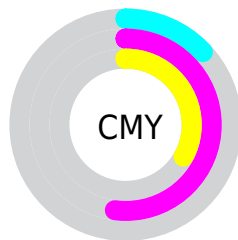
- Red (87%)
- Green (48%)
- Blue (67%)



- Red (87%)
- Yellow (48%)
- Blue (67%)



- Cyan (0%)
- Magenta (45%)
- Yellow (23%)
- Black (13%)




- Cyan (13%)
- Magenta (52%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7416, 32.5473, 42.4522 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 44.7416, 32.5473, 42.4522 by changing the saturation by 10% instead.





 44.7416, 32.5473,  
42.4522

 44.7416, 32.5473,  
42.4522


356.5274,  
313.6049, 372.2089


 31.4544, 21.7799,  
29.1273


 81.5720, 63.6681,  
80.1610

 21.0986, 13.6952,  
18.9308

 105.8458, 84.7903,  
105.3820

 13.3090, 7.9090,  
11.4439


 134.5126,  
110.1328, 135.4055

 7.7201, 4.0368,  
6.2484

167.9376,  
140.0801, 170.6500

 3.9667, 1.6942,  
2.9255

206.4862,  
175.0166, 211.5341

 1.6833, 0.4199,  
1.0567

250.5238,

 0.4458, 0.0000,

215.3266, 258.4762

0.0000

300.4157,  
261.3946, 311.8950

■ 0.0000, 0.0000,  
0.0000

■ 44.7416, 32.5473,  
42.4522

■ 44.7416, 32.5473,  
42.4522

■ 41.2637, 27.2673,  
36.1258

■ 48.9447, 39.1248,  
49.4900

■ 38.4621, 23.1921,  
30.4818

■ 53.9118, 47.0748,  
57.2628

■ 36.2863, 20.2239,  
25.4912

■ 59.6823, 56.4722,  
65.7949

■ 34.6764, 18.2475,  
21.1212

■ 66.2920, 67.3850,  
75.1090

■ 33.5597, 17.1218,  
17.3342

■ 73.7745, 79.8771,  
85.2267

■ 33.1480, 16.7746,  
15.7292

■ 81.9035, 93.4928,  
96.0826

■ 83.6630, 94.1966,  
105.3476

■ 84.2415, 94.4280,  
108.3942

# Harmonies

## Analogous

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



41.2808, 32.5473, 63.9308



44.7416, 32.5473, 42.4522



44.1358, 32.5473, 24.9932

# Triad

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



44.7416, 32.5473, 42.4522



27.0329, 32.5473, 11.4205



23.5482, 32.5473, 69.6083

# Complementary

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



44.7416, 32.5473, 42.4522



42.0552, 59.9697, 49.4060

# 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.



20.6702, 32.5473, 48.4509



44.7416, 32.5473, 42.4522



22.4809, 32.5473, 16.9901

# Square

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



44.7416, 32.5473, 42.4522



33.2960, 32.5473, 10.7919



20.3087, 32.5473, 29.2432



28.6888, 32.5473, 82.8519



# Rectangle

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



44.7416, 32.5473, 42.4522



41.5288, 32.5473, 17.4206



20.3087, 32.5473, 29.2432



22.3163, 32.5473, 62.9036

# Sweetspot

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



44.7425, 32.5489, 42.4528



81.8803, 78.1719, 90.6023



37.4035, 28.0760, 73.2601



17.1353, 16.0914, 18.8297



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.



44.7425, 32.5489, 42.4528



56.2987, 37.5176, 49.6776



40.9050, 31.0139, 22.2447



13.9829, 13.8108, 15.6801



19.5471, 9.8859, 9.5469



1.4000, 0.7033, 0.8993



# Inverse Universe

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



44.7425, 32.5489, 42.4528



56.2987, 37.5176, 49.6776



47.7340, 62.2412, 79.3102



13.9829, 13.8108, 15.6801



19.5471, 9.8859, 9.5469



1.4000, 0.7033, 0.8993



# Previews

## White Background



This preview shows how the XYZ color 44.7416, 32.5473, 42.4522 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

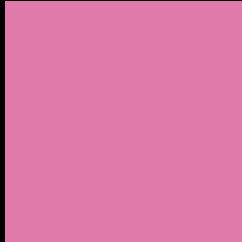
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.7416, 32.5473, 42.4522 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 44.7416, 32.5473, 42.4522**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7416, 32.5473, 42.4522.



This preview shows how white text looks on a background with the XYZ color 44.7416, 32.5473,



# 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

44.7416, 32.5473, 42.4522

### Protanopia

32.7597, 32.6992, 54.4541

### Deuteranopia

33.4666, 32.8857, 40.6601



## Tritanopia

41.8218, 32.4890, 28.1115

# Trichromacy



## Original Color

44.7416, 32.5473, 42.4522



## Protanomaly

35.7803, 31.8054, 49.6006



## Deuteranomaly

36.6957, 32.0224, 41.2927



## Tritanomaly

42.7847, 32.4959, 32.8715

# Monochromacy



## Original Color

44.7416, 32.5473, 42.4522



## Achromatopsia

32.4990, 34.1914, 37.2345



## Achromatomaly

36.0277, 32.8402, 39.0903

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7416, 32.5473, 42.4522 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(223, 122, 171)` looks like.

```
.text, #text, p{  
    color:rgb(223, 122, 171)  
}
```

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(223, 122, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 122, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7416, 32.5473, 42.4522 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(223, 122, 171) }
```



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

```
.border{ border-color:rgb(223, 122, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 122, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 122, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 122, 171);  
box-shadow:4px 4px 4px 4px rgb(223, 122,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7416, 32.5473, 42.4522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 122, 171) }
```

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

```
.background{ background-color: rgb(223,  
122, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor