

# Converting Colors

XYZ(41.8854, 34.3329, 44.2968)

Have a look what the booklet for  
XYZ(41.8854, 34.3329, 44.2968)  
contains.

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# Color

**XYZ(42.0494, 34.5004,  
44.4874)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CD8BAE
RGB	205, 139, 174
RGB Percent	80%, 55%, 68%
CMY	0.1961, 0.4549, 0.3176
CMYK	0.00, 0.32, 0.15, 0.20
HSL	328°, 40%, 67%
HSV	328°, 32%, 80%
XYZ	42.0494, 34.5004, 44.4874
YIQ	162.7240, 28.1010, 24.8770

# Conversions

## Conversions Part 2

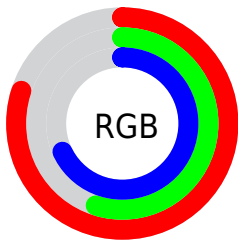
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 139, 174
Decimal	13470638
CIE Lab	65.36, 30.31, -8.14
CIE LCh	65, 31.380, 344.974
Yxy	34.5004, 0.3474, 0.2850
Android (android.graphics.Color)	4291660718 (0xFFCD8BAE)
YUV	162.7240, 5.5591, 37.0761
Hunter-Lab	58.7370, 24.9970, -3.7903

# Details

The XYZ color **42.0494, 34.5004, 44.4874** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.7359, 52.0547, 45.9859**, and the grayscale version is **34.6489, 36.4534, 39.6977**.

A 20% lighter version of the original color is **74.4528, 65.0571, 82.7619**, and **19.5803, 14.8686, 20.2503** is the 20% darker color. If you saturate the color by 10%, you get **38.4495, 28.7492, 38.8208**, and if you desaturate by 10%, it is **46.2752, 41.3948, 50.6955**.

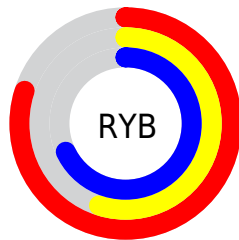
# Distribution



Red (80%)

Green (55%)

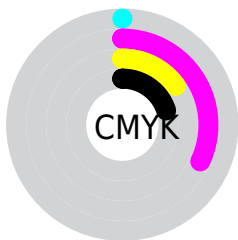
Blue (68%)



Red (80%)

Yellow (55%)

Blue (68%)

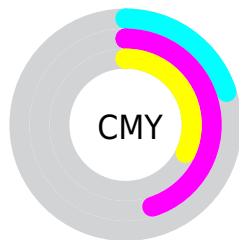


Cyan (0%)

Magenta (32%)

Yellow (15%)

Black (20%)



Cyan (20%)

Magenta (45%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0494, 34.5004, 44.4874 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 42.0494, 34.5004, 44.4874 by changing the saturation by 10% instead.





 42.0494, 34.5004,  
44.4874


 42.0494, 34.5004,  
44.4874


345.6758,  
322.3576, 380.7929


 29.3313, 23.2783,  
30.7139


 77.5391, 66.7111,  
83.2609

 19.4771, 14.7991,  
20.1244


 101.0413, 88.4684,  
109.0980

 12.1216, 8.6785,  
12.3005


 128.8690,  
114.5063, 139.7934

 6.8993, 4.5321,  
6.8237

161.3874,  
145.2091, 175.7655

 3.4450, 1.9754,  
3.2753

198.9619,  
180.9613, 217.4330

 1.3932, 0.5931,  
1.2369

241.9579,

 0.2514, 0.0000,

222.1471, 265.2144

0.0092

290.7408,  
269.1511, 319.5282

■ 0.0000, 0.0000,  
0.0000

■ 42.0494, 34.5004,  
44.4874

■ 42.0494, 34.5004,  
44.4874

■ 38.4495, 28.7492,  
38.8208

■ 46.2752, 41.3948,  
50.6955

■ 35.4399, 24.0734,  
33.6757

■ 51.1539, 49.4857,  
57.4597

■ 32.9859, 20.4057,  
29.0338

■ 56.7147, 58.8288,  
64.7965

■ 31.0476, 17.6689,  
24.8746

■ 62.9840, 69.4746,  
72.7211

■ 29.5797, 15.7743,  
21.1750

■ 69.9867, 81.4713,  
81.2480

■ 28.5278, 14.6161,  
17.9092

■ 75.4708, 90.3127,  
89.6324

■ 27.9215, 14.0770,  
15.6309

■ 76.8749, 90.8744,  
97.0266

■ 78.3552, 91.4665,  
104.8215

■ 78.9870, 91.7192,  
108.1483

# Harmonies

## Analogous

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



39.4152, 34.5004, 58.3711



42.0494, 34.5004, 44.4874



42.0518, 34.5004, 31.4203

# Triad

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



42.0494, 34.5004, 44.4874



30.5693, 34.5004, 18.0946



26.9501, 34.5004, 58.3496

# Complementary

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



42.0494, 34.5004, 44.4874



39.7359, 52.0547, 45.9859

# 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.



25.0016, 34.5004, 44.4629



42.0494, 34.5004, 44.4874



26.9550, 34.5004, 22.4040

# Square

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



42.0494, 34.5004, 44.4874



35.1271, 34.5004, 18.0982



25.0033, 34.5004, 31.4009



30.5620, 34.5004, 67.5534



# Rectangle

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



42.0494, 34.5004, 44.4874



40.5465, 34.5004, 24.8879



25.0033, 34.5004, 31.4009



26.0944, 34.5004, 53.9483

# Sweetspot

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



42.0504, 34.5020, 44.4881



85.5789, 84.0481, 96.5239



36.7879, 31.3987, 61.8795



18.0525, 17.5467, 20.3045



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.



42.0504, 34.5020, 44.4881



64.4735, 49.4543, 66.0066



39.2333, 33.3752, 29.6536



11.4568, 11.3114, 12.9399



17.4306, 8.7828, 9.9859



0.9374, 0.4684, 0.7161



# Inverse Universe

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



42.0504, 34.5020, 44.4881



64.4735, 49.4543, 66.0066



43.2355, 53.4546, 64.4144



11.4568, 11.3114, 12.9399



17.4306, 8.7828, 9.9859

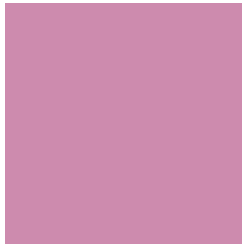


0.9374, 0.4684, 0.7161



# Previews

## White Background



This preview shows how the XYZ color 42.0494, 34.5004, 44.4874 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

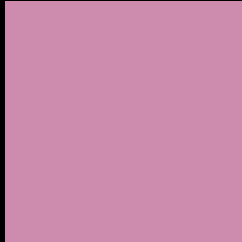
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.0494, 34.5004, 44.4874 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 42.0494, 34.5004, 44.4874**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0494, 34.5004, 44.4874.



This preview shows how white text looks on a background with the XYZ color 42.0494, 34.5004,



# 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

42.0494, 34.5004, 44.4874

### Protanopia

34.4162, 34.8689, 51.3708

### Deuteranopia

35.4342, 34.8180, 43.3810



## Tritanopia

40.2838, 34.6745, 35.1415

# Trichromacy



## Original Color

42.0494, 34.5004, 44.4874

## Protanomaly

36.7437, 34.3949, 48.9582

## Deuteranomaly

37.4852, 34.4185, 43.6975

## Tritanomaly

41.0079, 34.7566, 38.2656

# Monochromacy



## Original Color

42.0494, 34.5004, 44.4874

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

36.8907, 35.3662, 41.4412

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0494, 34.5004, 44.4874 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, 139, 174)` looks like.

```
.text, #text, p{  
    color:rgb(205, 139, 174)  
}
```

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, 139, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 139, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0494, 34.5004, 44.4874 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".

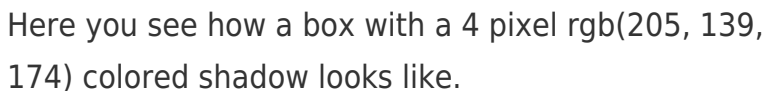
```
.border, #border, table{ border:4px solid rgb(205, 139, 174) }
```



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

```
.border{ border-color:rgb(205, 139, 174) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 139, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 139, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 139, 174); box-shadow:4px 4px 4px 4px rgb(205, 139, 174) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0494, 34.5004, 44.4874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 139, 174) }
```

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

```
.background{ background-color: rgb(205,  
139, 174) }
```

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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