

# Converting Colors

XYZ(42.3007, 43.9106, 34.7532)

Have a look what the booklet for  
XYZ(42.3007, 43.9106, 34.7532)  
contains.

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# **Color**

**XYZ(42.2406, 43.9062,  
34.6822)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFAF95
RGB	191, 175, 149
RGB Percent	75%, 69%, 58%
CMY	0.2510, 0.3137, 0.4157
CMYK	0.00, 0.08, 0.22, 0.25
HSL	37°, 25%, 67%
HSV	37°, 22%, 75%
XYZ	42.2406, 43.9062, 34.6822
YIQ	176.8200, 17.8820, -4.6940

# Conversions

## Conversions Part 2

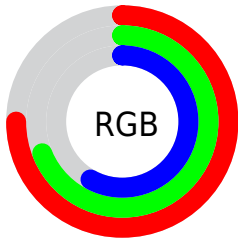
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 191, 149
Decimal	12562325
CIELab	72.17, 1.54, 15.42
CIELCh	72, 15.499, 84.301
Yxy	43.9062, 0.3496, 0.3634
Android (android.graphics.Color)	4290752405 (0xFFBFAF95)
YUV	176.8200, -13.7153, 12.4359
Hunter-Lab	66.2618, -2.1677, 15.3501

# Details

The XYZ color **42.2406, 43.9062, 34.6822** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.2533, 37.0605, 54.5857**, and the grayscale version is **41.7595, 43.9343, 47.8444**.

A 20% lighter version of the original color is **77.7877, 80.8619, 68.0080**, and **19.6041, 20.3661, 14.4531** is the 20% darker color. If you saturate the color by 10%, you get **39.4615, 40.5913, 26.8395**, and if you desaturate by 10%, it is **45.3484, 47.4777, 43.8694**.

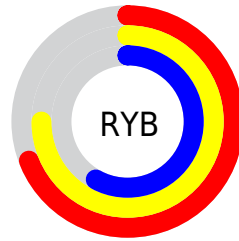
# Distribution



Red (75%)

Green (69%)

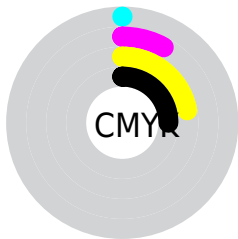
Blue (58%)



Red (69%)

Yellow (75%)

Blue (58%)

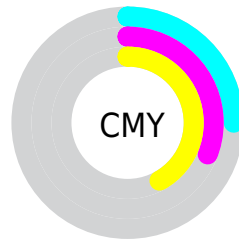


Cyan (0%)

Magenta (8%)

Yellow (22%)

Black (25%)



Cyan (25%)

Magenta (31%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2406, 43.9062, 34.6822 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 42.2406, 43.9062, 34.6822 by changing the saturation by 10% instead.





 42.2406, 43.9062,  
34.6822


 42.2406, 43.9062,  
34.6822


346.4540,  
362.3254, 338.0249

 29.4817, 30.5968,  
23.1366

 77.8265, 81.0766,  
68.1391

 19.5916, 20.2920,  
14.4881


 101.3842,  
105.7063, 90.8875

 12.2051, 12.6075,  
8.3183

129.2722,  
134.8783, 118.2072

 6.9567, 7.1588,  
4.2086

161.8558,  
168.9769, 150.5169

 3.4811, 3.5616,  
1.7405

199.5005,  
208.3865, 188.2349

 1.4130, 1.4315,  
0.3883

242.5715,

 0.2655, 0.2398,

253.4915, 231.7799

0.0000

291.4342,  
304.6763, 281.5704

■ 0.0000, 0.0000,  
0.0000

■ 42.2406, 43.9062,  
34.6822

■ 42.2406, 43.9062,  
34.6822

■ 39.4615, 40.5913,  
26.8395

■ 45.3484, 47.4777,  
43.8694

■ 36.9943, 37.5198,  
20.2739

■ 48.7941, 51.3067,  
54.4583

■ 34.8257, 34.6859,  
14.9164

■ 52.5904, 55.4017,  
66.5065

■ 32.9399, 32.0814,  
10.6905

■ 56.7486, 59.7689,  
80.0673

■ 31.3197, 29.6972,  
7.5103

■ 61.2793, 64.4145,  
95.1913

■ 29.9450, 27.5233,  
5.2782

■ 64.7765, 68.7775,  
104.4690

■ 28.7925, 25.5482,  
3.8770

■ 66.7120, 72.6485,  
105.1142

■ 27.9946, 24.0938,  
3.1751

■ 68.7314, 76.6874,  
105.7874

■ 70.8358, 80.8961,  
106.4888

# Harmonies

## Analogous

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



44.7824, 43.9062, 36.8875



42.2406, 43.9062, 34.6822



39.6654, 43.9062, 35.6793

# Triad

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



42.2406, 43.9062, 34.6822



37.2489, 43.9062, 54.0801



46.0168, 43.9062, 56.8569

# Complementary

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



42.2406, 43.9062, 34.6822



35.2533, 37.0605, 54.5857

# 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.



43.8682, 43.9062, 62.4103



42.2406, 43.9062, 34.6822



38.8225, 43.9062, 60.6918

# Square

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



42.2406, 43.9062, 34.6822



36.8543, 43.9062, 46.3690



41.2266, 43.9062, 63.8830



47.0211, 43.9062, 49.2732



# Rectangle

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



42.2406, 43.9062, 34.6822



38.2661, 43.9062, 38.0862



41.2266, 43.9062, 63.8830



45.4001, 43.9062, 59.0538

# Sweetspot

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



42.2418, 43.9082, 34.6831



84.1523, 88.3191, 87.5010



39.0343, 35.2920, 40.4002



18.3968, 19.3025, 18.9619



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.2418, 43.9082, 34.6831



73.3820, 75.9572, 55.6146



44.3299, 49.8834, 35.7264



10.0087, 10.4934, 10.0745



18.4773, 15.9934, 2.1132



0.7851, 0.7490, 0.1032



# Inverse Universe

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



35.2533, 37.0605, 54.5857



58.8223, 61.6931, 97.0868



33.4593, 32.1173, 53.7261



9.3063, 9.8050, 12.0743



7.8072, 5.7262, 33.0867

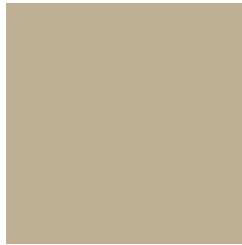


0.3694, 0.3515, 1.3172



# Previews

## White Background



This preview shows how the XYZ color 42.2406, 43.9062, 34.6822 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

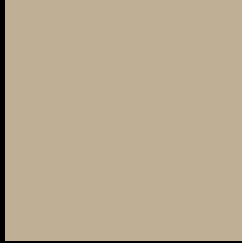
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.2406, 43.9062, 34.6822 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 42.2406, 43.9062, 34.6822**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.2406, 43.9062, 34.6822.



This preview shows how white text looks on a background with the XYZ color 42.2406, 43.9062,



# 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

42.2406, 43.9062, 34.6822

### Protanopia

41.4769, 44.0854, 35.1774

### Deuteranopia

44.7816, 43.7888, 34.9460



## Tritanopia

45.4276, 43.7705, 50.8540

# Trichromacy



## Original Color

42.2406, 43.9062, 34.6822

## Protanomaly

41.7694, 43.9440, 35.1347

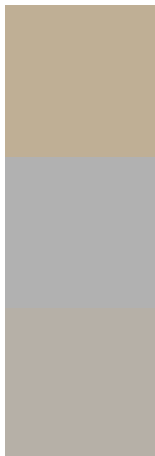
## Deuteranomaly

43.8107, 43.8492, 35.0088

## Tritanomaly

44.3513, 43.9147, 44.6669

# Monochromacy



## Original Color

42.2406, 43.9062, 34.6822

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

41.7918, 43.7858, 42.8081

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.2406, 43.9062, 34.6822 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(191, 175, 149)` looks like.

```
.text, #text, p{  
    color:rgb(191, 175, 149)  
}
```

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(191, 175, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 175, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 42.2406, 43.9062, 34.6822 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(191, 175, 149) }
```



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

```
.border{ border-color:rgb(191, 175, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 175, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 175, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 175, 149);  
box-shadow:4px 4px 4px 4px rgb(191, 175,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.2406, 43.9062, 34.6822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 175, 149) }
```

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

```
.background{ background-color: rgb(191,  
175, 149) }
```

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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