

# Converting Colors

XYZ(42.3264, 41.5582, 41.4750)

Have a look what the booklet for  
XYZ(42.3264, 41.5582, 41.4750)  
contains.

<b>XYZ(42.3485, 41.5605, 41.3873)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# **Color**

**XYZ(42.3485, 41.5605,  
41.3873)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0A7A5
RGB	192, 167, 165
RGB Percent	75%, 65%, 65%
CMY	0.2471, 0.3451, 0.3529
CMYK	0.00, 0.13, 0.14, 0.25
HSL	4°, 18%, 70%
HSV	4°, 14%, 75%
XYZ	42.3485, 41.5605, 41.3873
YIQ	174.2470, 15.5420, 4.6780

# Conversions

## Conversions Part 2

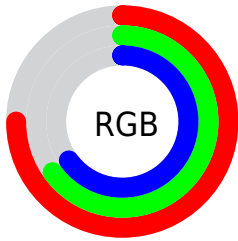
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 167, 165
Decimal	12625829
CIELab	70.57, 8.76, 4.38
CIELCh	71, 9.788, 26.558
Yxy	41.5605, 0.3380, 0.3317
Android (android.graphics.Color)	4290815909 (0xFFC0A7A5)
YUV	174.2470, -4.5588, 15.5694
Hunter-Lab	64.4674, 4.4382, 7.0638

# Details

The XYZ color **42.3485, 41.5605, 41.3873** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **43.4448, 48.6311, 56.9666**, and the grayscale version is **40.3771, 42.4799, 46.2606**.

A 20% lighter version of the original color is **78.1065, 77.5496, 78.5621**, and **19.5926, 18.8570, 18.2299** is the 20% darker color. If you saturate the color by 10%, you get **37.6950, 34.8432, 31.8518**, and if you desaturate by 10%, it is **47.7143, 49.2817, 52.4556**.

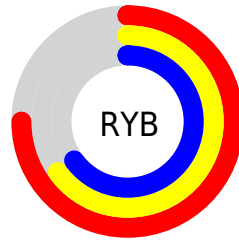
# Distribution



Red (75%)

Green (65%)

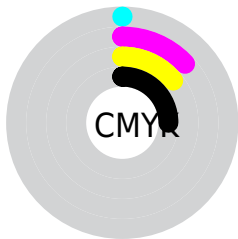
Blue (65%)



Red (75%)

Yellow (65%)

Blue (65%)

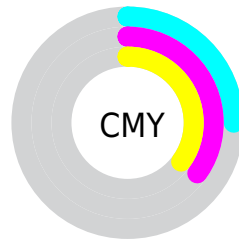


Cyan (0%)

Magenta (13%)

Yellow (14%)

Black (25%)



Cyan (25%)

Magenta (35%)


Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3485, 41.5605, 41.3873 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 42.3485, 41.5605, 41.3873 by changing the saturation by 10% instead.




 42.3485, 41.5605,  
41.3873


 42.3485, 41.5605,  
41.3873


346.8927,  
352.6578, 367.6612

 29.5666, 28.7573,  
28.2999


 77.9887, 77.5340,  
78.5315

 19.6563, 18.8973,  
18.3108


 101.5776,  
101.4731, 103.4254

 12.2522, 11.5961,  
11.0016


129.4996,  
129.8930, 133.0918

 6.9891, 6.4693,  
5.9537

162.1200,  
163.1781, 167.9493

 3.5016, 3.1325,  
2.7486

199.8041,  
201.7127, 208.4165

 1.4242, 1.2013,  
0.9678

242.9174,

 0.2734, 0.0628,

245.8812, 254.9118

0.0000

291.8251,  
296.0682, 307.8539

0.0000, 0.0000,  
0.0000

42.3485, 41.5605,  
41.3873

42.3485, 41.5605,  
41.3873

37.6950, 34.8432,  
31.8518

47.7143, 49.2817,  
52.4556

33.7206, 29.0832,  
23.7790

53.8170, 58.0398,  
65.1174

30.3945, 24.2387,  
17.0974

60.6842, 67.8731,  
79.4331

27.6822, 20.2625,  
11.7283

68.3412, 78.8165,  
95.4594

25.5461, 17.1031,  
7.5852

75.5484, 89.9466,  
107.9873

■ 23.9442, 14.7039,  
4.5712

■ 22.8291, 13.0005,  
2.5750

■ 22.1446, 11.9185,  
1.4623

■ 21.8988, 11.5273,  
1.0708

# Harmonies

## Analogous

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



42.6871, 41.5605, 45.7890



42.3485, 41.5605, 41.3873



41.2401, 41.5605, 38.2223

# Triad

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



42.3485, 41.5605, 41.3873



36.9643, 41.5605, 40.5210



39.3156, 41.5605, 54.7340

# Complementary

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



42.3485, 41.5605, 41.3873



43.4448, 48.6311, 56.9666

# 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.



37.8134, 41.5605, 53.0955



42.3485, 41.5605, 41.3873



36.4794, 41.5605, 44.7198

# Square

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



42.3485, 41.5605, 41.3873



38.1283, 41.5605, 37.7466



36.7860, 41.5605, 49.3508



40.9083, 41.5605, 53.6924



# Rectangle

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



42.3485, 41.5605, 41.3873



40.2291, 41.5605, 37.1336



36.7860, 41.5605, 49.3508



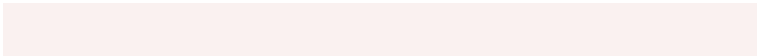
38.7837, 41.5605, 54.4757

# Sweetspot

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



42.3496, 41.5624, 41.3882



86.4529, 89.2921, 95.0419



44.5100, 41.8438, 54.5611



18.3787, 18.9142, 20.0414



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

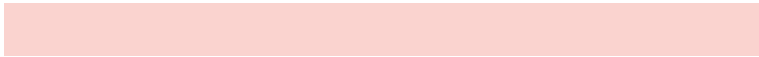


# Same Dimension

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



42.3496, 41.5624, 41.3882



73.8894, 71.2057, 69.1488



44.9122, 46.6874, 42.2424



10.1319, 10.1952, 10.4957



14.7580, 7.8018, 0.7281



0.6587, 0.3792, 0.0385

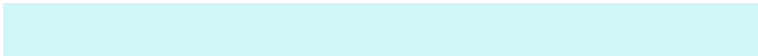


# Inverse Universe

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



43.4448, 48.6311, 56.9666



76.2721, 86.5888, 103.0536



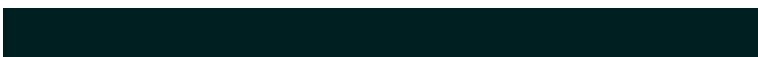
40.6950, 43.1316, 56.0500



10.3025, 11.2964, 12.9222



17.1070, 23.9704, 37.2817



0.7586, 1.0745, 1.6173



# Previews

## White Background



This preview shows how the XYZ color 42.3485, 41.5605, 41.3873 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

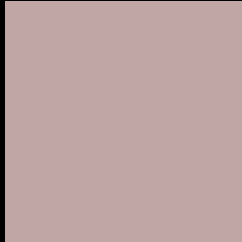
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.3485, 41.5605, 41.3873 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 42.3485, 41.5605, 41.3873**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.3485, 41.5605, 41.3873.



This preview shows how white text looks on a background with the XYZ color 42.3485, 41.5605,



# 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

42.3485, 41.5605, 41.3873

### Protanopia

39.9519, 41.6793, 42.9850

### Deuteranopia

42.3485, 41.5605, 41.3873



## Tritanopia

43.7391, 41.5940, 47.8426

# Trichromacy



## Original Color

42.3485, 41.5605, 41.3873

## Protanomaly

40.6412, 41.4846, 42.4245

## Deuteranomaly

42.3485, 41.5605, 41.3873

## Tritanomaly

43.1714, 41.6270, 45.2946

# Monochromacy



## Original Color

42.3485, 41.5605, 41.3873

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

40.9697, 41.8899, 44.4543

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.3485, 41.5605, 41.3873 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(192, 167, 165)` looks like.

```
.text, #text, p{  
    color:rgb(192, 167, 165)  
}
```

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(192, 167, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 167, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 42.3485, 41.5605, 41.3873 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(192, 167, 165) }
```



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

```
.border{ border-color:rgb(192, 167, 165) }
```

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

Here you see how a box with a 4 pixel rgb(192, 167, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 167, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 167, 165);  
box-shadow:4px 4px 4px 4px rgb(192, 167,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.3485, 41.5605, 41.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 167, 165) }
```

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

```
.background{ background-color: rgb(192,  
167, 165) }
```

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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