

# Converting Colors

XYZ(44.5733, 41.3675, 54.0238)

Have a look what the booklet for  
XYZ(44.5733, 41.3675, 54.0238)  
contains.

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# **Color**

**XYZ(44.5306, 41.3378,  
53.7761)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C2A3BD
RGB	194, 163, 189
RGB Percent	76%, 64%, 74%
CMY	0.2392, 0.3608, 0.2588
CMYK	0.00, 0.16, 0.03, 0.24
HSL	310°, 20%, 70%
HSV	310°, 16%, 76%
XYZ	44.5306, 41.3378, 53.7761
YIQ	175.2330, 10.1300, 14.6580

# Conversions

## Conversions Part 2

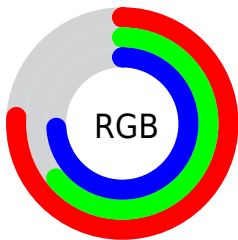
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 163, 189
Decimal	12755901
CIELab	70.41, 15.87, -9.10
CIELCh	70, 18.299, 330.162
Yxy	41.3378, 0.3189, 0.2960
Android (android.graphics.Color)	4290945981 (0xFFC2A3BD)
YUV	175.2330, 6.7871, 16.4587
Hunter-Lab	64.2945, 11.1144, -4.5842

# Details

The XYZ color **44.5306, 41.3378, 53.7761** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.4655, 49.1984, 44.3587**, and the grayscale version is **40.8314, 42.9579, 46.7811**.

A 20% lighter version of the original color is **81.3365, 77.2446, 97.0090**, and **20.9436, 18.7219, 25.8024** is the 20% darker color. If you saturate the color by 10%, you get **41.0111, 34.8361, 50.9454**, and if you desaturate by 10%, it is **48.5882, 48.9029, 56.8233**.

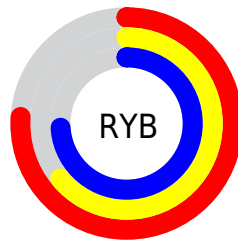
# Distribution



Red (76%)

Green (64%)

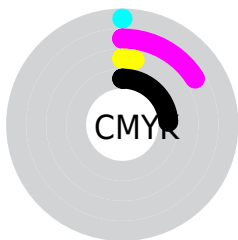
Blue (74%)



Red (76%)

Yellow (64%)

Blue (74%)

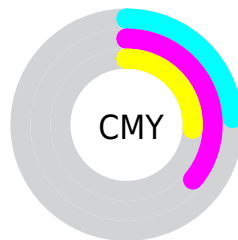


Cyan (0%)

Magenta (16%)

Yellow (3%)

Black (24%)



Cyan (24%)

Magenta (36%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.5306, 41.3378, 53.7761 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 44.5306, 41.3378, 53.7761 by changing the saturation by 10% instead.



■ 44.5306, 41.3378,  
53.7761

■ 44.5306, 41.3378,  
53.7761

355.6849,  
351.7305, 418.4061

■ 31.2876, 28.5831,  
38.0307

■ 81.2570, 77.1964,  
97.1985

■ 20.9708, 18.7657,  
25.7045

■ 105.4710,  
101.0692, 125.7126

■ 13.2150, 11.5011,  
16.3789

134.0728,  
129.4167, 159.3201

■ 7.6548, 6.4049,  
9.6354

167.4277,  
162.6235, 198.4394

■ 3.9248, 3.0928,  
5.0555

205.9009,  
201.0738, 243.4891

■ 1.6597, 1.1804,  
2.2206

249.8580,

■ 0.4308, 0.0456,

245.1522, 294.8877

0.6862

299.6642,  
295.2429, 353.0539

■ 0.0000, 0.0000,  
0.0000

■ 44.5306, 41.3378,  
53.7761

■ 44.5306, 41.3378,  
53.7761

■ 41.0111, 34.8361,  
50.9454

■ 48.5882, 48.9029,  
56.8233

■ 38.0021, 29.3442,  
48.3203

■ 53.2029, 57.5708,  
60.0921

■ 35.4789, 24.8123,  
45.8928

■ 58.3970, 67.3858,  
63.5907

■ 33.4132, 21.1840,  
43.6534

■ 64.1906, 78.3879,  
67.3260

■ 31.7740, 18.3972,  
41.5914

■ 68.9854, 87.3803,  
70.7653

■ 30.5261, 16.3818,  
39.6948

■ 69.3662, 87.5326,  
72.7706

■ 29.6289, 15.0563,  
37.9500

■ 69.7546, 87.6880,  
74.8158

■ 29.0309, 14.3180,  
36.3394

■ 70.1506, 87.8464,  
76.9013

■ 28.8331, 14.1033,  
35.7154

■ 70.5544, 88.0079,  
79.0273

# Harmonies

## Analogous

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



42.2723, 41.3378, 60.9256



44.5306, 41.3378, 53.7761



45.3703, 41.3378, 44.9631

# Triad

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



44.5306, 41.3378, 53.7761



39.2740, 41.3378, 30.3789



34.4932, 41.3378, 53.8674

# Complementary

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



44.5306, 41.3378, 53.7761



41.4655, 49.1984, 44.3587

# 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.



33.7794, 41.3378, 45.0566



44.5306, 41.3378, 53.7761



36.4520, 41.3378, 32.1395

# Square

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



44.5306, 41.3378, 53.7761



42.2426, 41.3378, 32.1021



34.4782, 41.3378, 37.2521



36.4789, 41.3378, 60.9829



# Rectangle

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



44.5306, 41.3378, 53.7761



44.9809, 41.3378, 39.5322



34.4782, 41.3378, 37.2521



34.1012, 41.3378, 50.9714

# Sweetspot

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



44.5318, 41.3396, 53.7770



88.7377, 89.9263, 103.4637



38.9106, 38.3779, 56.3965



19.3086, 19.4606, 22.5674



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.



44.5318, 41.3396, 53.7770



78.4539, 70.7710, 95.6817



42.9721, 40.7157, 45.5635



10.4252, 10.2187, 12.3299



18.9821, 9.2826, 23.6155



0.8393, 0.4087, 1.1209



# Inverse Universe

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



44.5318, 41.3396, 53.7770



78.4539, 70.7710, 95.6817



42.9603, 49.7963, 52.2303



10.4252, 10.2187, 12.3299



18.9821, 9.2826, 23.6155

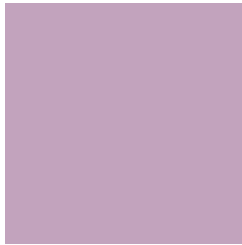


0.8393, 0.4087, 1.1209



# Previews

## White Background



This preview shows how the XYZ color 44.5306, 41.3378, 53.7761 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

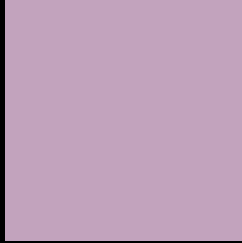
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.5306, 41.3378, 53.7761 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 44.5306, 41.3378, 53.7761**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.5306, 41.3378, 53.7761.



This preview shows how white text looks on a background with the XYZ color 44.5306, 41.3378,



# 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

44.5306, 41.3378, 53.7761

### Protanopia

40.6627, 41.4559, 56.8976

### Deuteranopia

42.3711, 41.5812, 53.3697



## Tritanopia

43.2292, 41.3311, 47.8188

# Trichromacy



## Original Color

44.5306, 41.3378, 53.7761

## Protanomaly

41.8772, 41.2760, 55.6291

## Deuteranomaly

42.9630, 41.3424, 53.2924

## Tritanomaly

43.7113, 41.2658, 49.9172

# Monochromacy



## Original Color

44.5306, 41.3378, 53.7761

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

42.0925, 42.3662, 49.1390

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.5306, 41.3378, 53.7761 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(194, 163, 189)` looks like.

```
.text, #text, p{  
    color:rgb(194, 163, 189)  
}
```

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(194, 163, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 163, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 44.5306, 41.3378, 53.7761 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(194, 163, 189) }
```



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

```
.border{ border-color:rgb(194, 163, 189) }
```

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

Here you see how a box with a 4 pixel rgb(194, 163, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 163, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 163, 189);  
box-shadow:4px 4px 4px 4px rgb(194, 163,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.5306, 41.3378, 53.7761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 163, 189) }
```

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

```
.background{ background-color: rgb(194,  
163, 189) }
```

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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