

# Converting Colors

XYZ(43.8548, 34.9350, 53.0685)

Have a look what the booklet for  
XYZ(43.8548, 34.9350, 53.0685)  
contains.

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# Color

**XYZ(43.8363, 35.0165,  
53.1636)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CE8ABE
RGB	206, 138, 190
RGB Percent	81%, 54%, 75%
CMY	0.1922, 0.4588, 0.2549
CMYK	0.00, 0.33, 0.08, 0.19
HSL	314°, 41%, 67%
HSV	314°, 33%, 81%
XYZ	43.8363, 35.0165, 53.1636
YIQ	164.2600, 23.8360, 30.5880

# Conversions

## Conversions Part 2

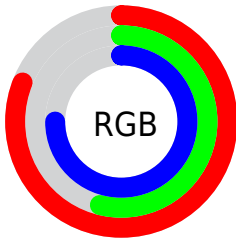
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 138, 190
Decimal	13535934
CIE Lab	65.76, 33.89, -16.52
CIE LCh	66, 37.701, 334.012
Yxy	35.0165, 0.3321, 0.2652
Android (android.graphics.Color)	4291726014 (0xFFCE8ABE)
YUV	164.2600, 12.6898, 36.6060
Hunter-Lab	59.1747, 28.6760, -11.8448

# Details

The XYZ color **43.8363, 35.0165, 53.1636** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.3867, 51.8800, 38.5647**, and the grayscale version is **35.3448, 37.1855, 40.4950**.

A 20% lighter version of the original color is **76.7242, 65.6131, 95.8096**, and **20.6861, 15.2018, 25.5109** is the 20% darker color. If you saturate the color by 10%, you get **40.6356, 29.4484, 49.5263**, and if you desaturate by 10%, it is **47.6173, 41.7159, 57.0821**.

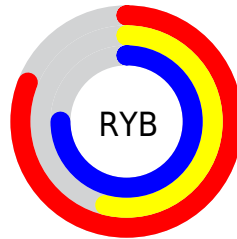
# Distribution



Red (81%)

Green (54%)

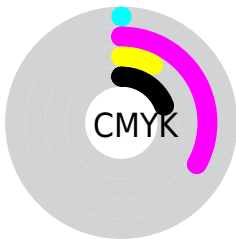
Blue (75%)



Red (81%)

Yellow (54%)

Blue (75%)

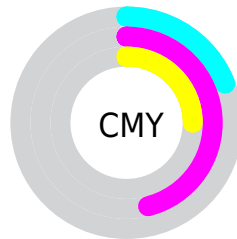


Cyan (0%)

Magenta (33%)

Yellow (8%)

Black (19%)



Cyan (19%)

Magenta (46%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8363, 35.0165, 53.1636 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 43.8363, 35.0165, 53.1636 by changing the saturation by 10% instead.





 43.8363, 35.0165,  
53.1636

 43.8363, 35.0165,  
53.1636


352.9033,  
324.6412, 415.9966


 30.7392, 23.6756,  
37.5448


 80.2192, 67.5113,  
96.2890

 20.5512, 15.0931,  
25.3305


 104.2358, 89.4340,  
124.6327

 12.9069, 8.8848,  
16.1022


 132.6228,  
115.6528, 158.0551

 7.4410, 4.6661,  
9.4414

165.7458,  
146.5520, 196.9748

 3.7882, 2.0527,  
4.9294

203.9699,  
182.5160, 241.8102

 1.5830, 0.6378,  
2.1479

247.6607,

 0.3813, 0.0000,

223.9293, 292.9799

0.6441

297.1834,  
271.1762, 350.9025

■ 0.0000, 0.0000,  
0.0000

■ 43.8363, 35.0165,  
53.1636

■ 43.8363, 35.0165,  
53.1636

■ 40.6356, 29.4484,  
49.5263

■ 47.6173, 41.7159,  
57.0821

■ 37.9799, 24.9431,  
46.1564

■ 52.0049, 49.6004,  
61.2901

■ 35.8354, 21.4323,  
43.0421


■ 57.0274, 58.7261,  
65.7984

■ 34.1626, 18.8376,  
40.1695


■ 62.7106, 69.1442,  
70.6162


■ 32.9163, 17.0688,  
37.5227


■ 69.0787, 80.9030,  
75.7526


 32.0420, 16.0173,  
35.0825

 74.0112, 89.7609,  
80.5013

 31.5847, 15.5743,  
33.4761

 74.6592, 90.0201,  
83.9136

 75.3259, 90.2868,  
87.4247

 76.0116, 90.5610,  
91.0352

# Harmonies

## Analogous

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



39.6216, 35.0165, 69.5211



43.8363, 35.0165, 53.1636



45.1148, 35.0165, 36.0266

# Triad

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



43.8363, 35.0165, 53.1636



32.5404, 35.0165, 15.0286



25.1901, 35.0165, 57.9258

# Complementary

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



43.8363, 35.0165, 53.1636



38.3867, 51.8800, 38.5647

# 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.



23.7236, 35.0165, 40.3075



43.8363, 35.0165, 53.1636



27.6578, 35.0165, 17.9758

# Square

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



43.8363, 35.0165, 53.1636



38.1854, 35.0165, 16.7103



24.5745, 35.0165, 26.2322



28.8177, 35.0165, 72.7646



# Rectangle

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



43.8363, 35.0165, 53.1636



44.0237, 35.0165, 26.9845



24.5745, 35.0165, 26.2322



24.4475, 35.0165, 51.9790

# Sweetspot

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



43.8374, 35.0181, 53.1643



86.4967, 84.4153, 101.3571



33.5317, 29.4920, 62.3182



18.2751, 17.6357, 21.4764



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.



43.8374, 35.0181, 53.1643



67.0548, 49.8119, 81.6807



40.5554, 33.7053, 35.8817



11.5703, 11.3568, 13.5376



19.4879, 9.6057, 20.8195



1.0334, 0.5068, 1.2220



# Inverse Universe

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



43.8374, 35.0181, 53.1643



67.0548, 49.8119, 81.6807



41.6165, 53.1719, 55.5725



11.5703, 11.3568, 13.5376



19.4879, 9.6057, 20.8195

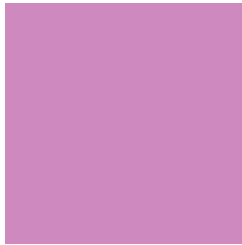


1.0334, 0.5068, 1.2220



# Previews

## White Background



This preview shows how the XYZ color 43.8363, 35.0165, 53.1636 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

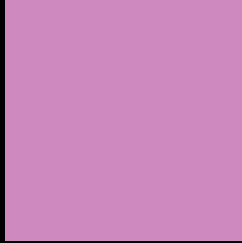
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.8363, 35.0165, 53.1636 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

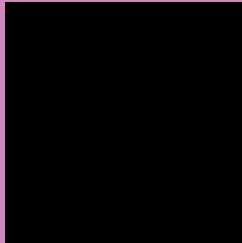
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.8363, 35.0165, 53.1636**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.8363, 35.0165, 53.1636.



This preview shows how white text looks on a background with the XYZ color 43.8363, 35.0165,



# 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

43.8363, 35.0165, 53.1636

### Protanopia

35.5204, 35.2029, 62.0495

### Deuteranopia

35.9624, 35.1513, 51.9032



## Tritanopia

40.4833, 35.2077, 36.1145

# Trichromacy



## Original Color

43.8363, 35.0165, 53.1636

## Protanomaly

37.9530, 34.8028, 58.7501

## Deuteranomaly

38.4150, 34.7094, 52.2519

## Tritanomaly

41.3695, 34.8697, 41.5959

# Monochromacy



## Original Color

43.8363, 35.0165, 53.1636

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

37.8546, 36.0435, 44.4971

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.8363, 35.0165, 53.1636 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(206, 138, 190)` looks like.

```
.text, #text, p{  
    color:rgb(206, 138, 190)  
}
```

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(206, 138, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 138, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 43.8363, 35.0165, 53.1636 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(206, 138, 190) }
```



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

```
.border{ border-color:rgb(206, 138, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 138, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 138, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 138, 190);  
box-shadow:4px 4px 4px 4px rgb(206, 138,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.8363, 35.0165, 53.1636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 138, 190) }
```

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

```
.background{ background-color: rgb(206,  
138, 190) }
```

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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