

# Converting Colors

XYZ(42.9706, 35.5691, 58.2751)

Have a look what the booklet for  
XYZ(42.9706, 35.5691, 58.2751)  
contains.

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# Color

**XYZ(43.0415, 35.5925,  
58.0276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C58FC6
RGB	197, 143, 198
RGB Percent	77%, 56%, 78%
CMY	0.2274, 0.4392, 0.2235
CMYK	0.01, 0.28, 0.00, 0.22
HSL	299°, 33%, 67%
HSV	299°, 28%, 78%
XYZ	43.0415, 35.5925, 58.0276
YIQ	165.4160, 14.5290, 28.5530

# Conversions

## Conversions Part 2

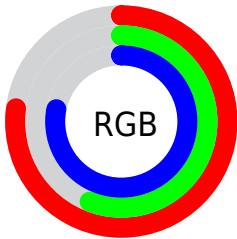
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 143, 198
Decimal	12947398
CIE <sub>Lab</sub>	66.21, 29.62, -20.41
CIE <sub>LCh</sub>	66, 35.972, 325.423
Yxy	35.5925, 0.3149, 0.2604
Android (android.graphics.Color)	4291137478 (0xFFC58FC6)
YUV	165.4160, 16.0639, 27.6992
Hunter-Lab	59.6595, 24.3754, -15.9066

# Details

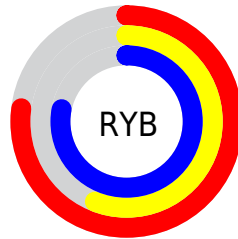
The XYZ color **43.0415, 35.5925, 58.0276** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.6549, 48.3015, 33.3796**, and the grayscale version is **35.8852, 37.7541, 41.1142**.

A 20% lighter version of the original color is **78.8893, 68.2233, 103.6182**, and **20.0165, 15.4187, 28.3067** is the 20% darker color. If you saturate the color by 10%, you get **40.2337, 30.1159, 57.1190**, and if you desaturate by 10%, it is **46.3763, 42.1215, 59.1126**.

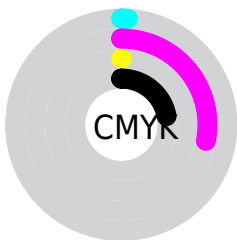
# Distribution



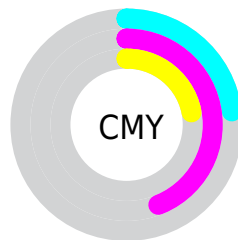
- Red (77%)
- Green (56%)
- Blue (78%)



- Red (77%)
- Yellow (56%)
- Blue (78%)



- Cyan (1%)
- Magenta (28%)
- Yellow (0%)
- Black (22%)




- Cyan (23%)
- Magenta (44%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0415, 35.5925, 58.0276 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 43.0415, 35.5925, 58.0276 by changing the saturation by 10% instead.





 43.0415, 35.5925,  
58.0276

 43.0415, 35.5925,  
58.0276

349.7010,  
327.1759, 434.8899

 30.1123, 24.1196,  
41.4160


 79.0288, 68.4026,  
103.4782

 20.0724, 15.4224,  
28.3221


 102.8177, 90.5087,  
133.1543

 12.5562, 9.1164,  
18.3275


130.9571,  
116.9280, 168.0223

 7.1986, 4.8172,  
11.0135

163.8126,  
148.0448, 208.5008

 3.6340, 2.1404,  
5.9616

201.7493,  
184.2436, 255.0082

 1.4972, 0.6872,  
2.7533

245.1327,

 0.3240, 0.0000,

225.9088, 307.9632

0.9701

294.3282,  
273.4248, 367.7842

■ 0.0000, 0.0000,  
0.0000

■ 43.0415, 35.5925,  
58.0276

■ 43.0415, 35.5925,  
58.0276

■ 40.2337, 30.1159,  
57.1190

■ 46.3763, 42.1215,  
59.1126

■ 37.9220, 25.6320,  
56.3754

■ 50.2605, 49.7493,  
60.3802

■ 36.0775, 22.0819,  
55.7874

■ 54.7188, 58.5253,  
61.8391

■ 34.6667, 19.3991,  
55.3439

■ 59.7739, 68.4945,  
63.4969

■ 33.6519, 17.5080,  
55.0323

■ 65.4471, 79.6994,  
65.3607

■ 32.9890, 16.3201,  
54.8380

■ 69.5489, 87.7613,  
66.7006

■ 32.6131, 15.7061,  
54.7393

■ 69.6446, 87.8107,  
66.7051

■ 32.5447, 15.5999,  
54.7224

■ 69.7405, 87.8601,  
66.7096

■ 69.8367, 87.9097,  
66.7141

# Harmonies

## Analogous

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



38.4482, 35.5925, 71.9792



43.0415, 35.5925, 58.0276



45.1740, 35.5925, 41.1569

# Triad

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



43.0415, 35.5925, 58.0276



34.6585, 35.5925, 16.1549



25.3514, 35.5925, 52.8516

# Complementary

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



43.0415, 35.5925, 58.0276



36.6549, 48.3015, 33.3796

# 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.



24.5637, 35.5925, 36.4468



43.0415, 35.5925, 58.0276



29.5966, 35.5925, 17.7464

# Square

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



43.0415, 35.5925, 58.0276



40.0201, 35.5925, 19.1825



26.0358, 35.5925, 24.3046



28.3129, 35.5925, 68.4795



# Rectangle

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



43.0415, 35.5925, 58.0276



44.7652, 35.5925, 31.4249



26.0358, 35.5925, 24.3046



24.8379, 35.5925, 47.1428

# Sweetspot

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



43.0426, 35.5941, 58.0284



88.7477, 87.5976, 106.8383



31.6223, 30.1186, 57.5734



18.7581, 18.2826, 22.7902



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.



43.0426, 35.5941, 58.0284



73.2642, 57.2603, 101.7986



40.5908, 34.6437, 43.7466



11.0633, 10.8064, 13.4202



21.1728, 10.1493, 35.5874



1.0087, 0.4838, 1.6854



# Inverse Universe

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



38.1464, 33.6659, 30.8748



63.2575, 53.3223, 46.1792



38.6532, 49.0808, 44.8100



10.6416, 10.6400, 11.0957



15.1615, 7.8142, 0.7944

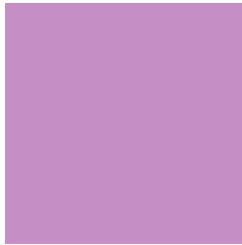


0.7207, 0.3711, 0.0523



# Previews

## White Background



This preview shows how the XYZ color 43.0415, 35.5925, 58.0276 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

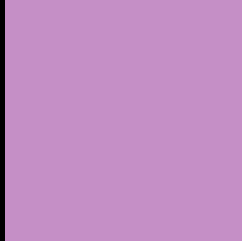
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.0415, 35.5925, 58.0276 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 43.0415, 35.5925, 58.0276**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.0415, 35.5925, 58.0276.



This preview shows how white text looks on a background with the XYZ color 43.0415, 35.5925,



# 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

43.0415, 35.5925, 58.0276

### Protanopia

36.2437, 35.7453, 65.9621

### Deuteranopia

36.5744, 35.8674, 56.6252



## Tritanopia

39.1662, 35.6278, 38.9950

# Trichromacy



## Original Color

43.0415, 35.5925, 58.0276

## Protanomaly

38.2577, 35.3457, 63.1985

## Deuteranomaly

38.5886, 35.6522, 57.0723

## Tritanomaly

40.4197, 35.4319, 45.2661

# Monochromacy



## Original Color

43.0415, 35.5925, 58.0276

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

38.1242, 36.6354, 46.6569

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.0415, 35.5925, 58.0276 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(197, 143, 198)` looks like.

```
.text, #text, p{  
    color:rgb(197, 143, 198)  
}
```

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(197, 143, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 143, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 43.0415, 35.5925, 58.0276 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(197, 143, 198) }
```



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

```
.border{ border-color:rgb(197, 143, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 143, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 143, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 143, 198);  
box-shadow:4px 4px 4px 4px rgb(197, 143,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.0415, 35.5925, 58.0276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 143, 198) }
```

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

```
.background{ background-color: rgb(197,  
143, 198) }
```

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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