

# Converting Colors

XYZ(42.0576, 32.9514, 57.8659)

Have a look what the booklet for  
XYZ(42.0576, 32.9514, 57.8659)  
contains.

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# Color

**XYZ(41.8693, 32.8580,  
57.5616)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C685C6
RGB	198, 133, 198
RGB Percent	78%, 52%, 78%
CMY	0.2235, 0.4784, 0.2235
CMYK	0.00, 0.33, 0.00, 0.22
HSL	300°, 36%, 65%
HSV	300°, 33%, 78%
XYZ	41.8693, 32.8580, 57.5616
YIQ	159.8450, 17.8750, 33.9950

# Conversions

## Conversions Part 2

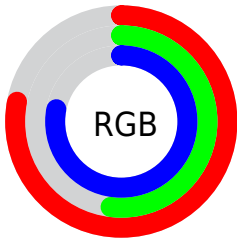
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 133, 198
Decimal	13010374
CIE <sub>Lab</sub>	64.05, 35.42, -23.71
CIE <sub>LCh</sub>	64, 42.619, 326.204
Yxy	32.8580, 0.3165, 0.2484
Android (android.graphics.Color)	4291200454 (0xFFC685C6)
YUV	159.8450, 18.8104, 33.4619
Hunter-Lab	57.3219, 30.0674, -19.4126

# Details

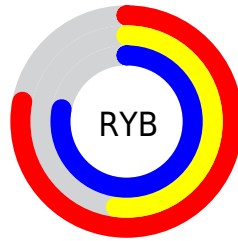
The XYZ color **41.8693, 32.8580, 57.5616** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.1019, 47.0693, 29.4800**, and the grayscale version is **33.2535, 34.9853, 38.0990**.

A 20% lighter version of the original color is **77.0603, 64.0206, 102.9034**, and **19.3790, 13.8878, 28.0448** is the 20% darker color. If you saturate the color by 10%, you get **39.4101, 27.9391, 56.7421**, and if you desaturate by 10%, it is **44.8415, 38.8017, 58.5528**.

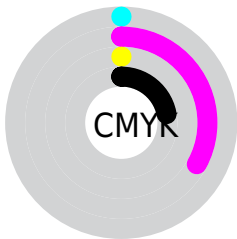
# Distribution



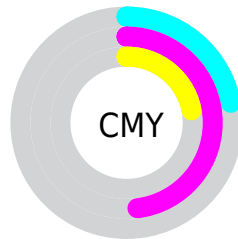
- Red (78%)
- Green (52%)
- Blue (78%)



- Red (78%)
- Yellow (52%)
- Blue (78%)



- Cyan (0%)
- Magenta (33%)
- Yellow (0%)
- Black (22%)




- Cyan (22%)
- Magenta (48%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8693, 32.8580, 57.5616 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 41.8693, 32.8580, 57.5616 by changing the saturation by 10% instead.





 41.8693, 32.8580,  
57.5616


 41.8693, 32.8580,  
57.5616

344.9417,  
315.0094, 433.1029

 29.1896, 22.0177,  
41.0439

 77.2682, 64.1538,  
102.7926

 19.3693, 13.8699,  
28.0335


 100.7181, 85.3780,  
132.3431

 12.0430, 8.0302,  
18.1116

 128.4888,  
110.8324, 167.0749

 6.8454, 4.1143,  
10.8599

160.9457,  
140.9012, 207.4066

 3.4111, 1.7377,  
5.8597

198.4540,  
175.9689, 253.7567

 1.3747, 0.4479,  
2.6926

241.3793,

 0.2381, 0.0000,

216.4199, 306.5437

0.9397

290.0867,  
262.6386, 366.1863

■ 0.0000, 0.0000,  
0.0000

■ 41.8693, 32.8580,  
57.5616

■ 41.8693, 32.8580,  
57.5616

■ 39.4101, 27.9391,  
56.7421

■ 44.8415, 38.8017,  
58.5528

■ 37.4321, 23.9830,  
56.0827

■ 48.3501, 45.8189,  
59.7225

■ 35.9046, 20.9280,  
55.5734


■ 52.4209, 53.9605,  
61.0795


■ 34.7922, 18.7033,  
55.2025


■ 57.0771, 63.2727,  
62.6317


■ 34.0543, 17.2274,  
54.9564


■ 62.3404, 73.7993,  
64.3862


 33.6419, 16.4027,  
54.8188

 68.2316, 85.5818,  
66.3501

 33.4821, 16.0832,  
54.7654

 69.2424, 87.6033,  
66.6871

 69.2424, 87.6033,  
66.6872

 69.2425, 87.6033,  
66.6874

# Harmonies

## Analogous

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



36.6248, 32.8580, 74.5164



41.8693, 32.8580, 57.5616



44.2603, 32.8580, 38.0163

# Triad

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



41.8693, 32.8580, 57.5616



32.0030, 32.8580, 11.8485



21.9550, 32.8580, 52.4991

# Complementary

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



41.8693, 32.8580, 57.5616



34.1019, 47.0693, 29.4800

# 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.



21.0475, 32.8580, 33.6270



41.8693, 32.8580, 57.5616



26.3938, 32.8580, 13.5169

# Square

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



41.8693, 32.8580, 57.5616



38.1205, 32.8580, 14.6965



22.5663, 32.8580, 20.3258



25.2252, 32.8580, 70.9946



# Rectangle

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



41.8693, 32.8580, 57.5616



43.7145, 32.8580, 27.3016



22.5663, 32.8580, 20.3258



21.3831, 32.8580, 45.8462

# Sweetspot

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



41.8704, 32.8594, 57.5623



87.4478, 84.7957, 106.3657



28.2549, 25.8404, 56.9255



18.5068, 17.7284, 22.6964



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.



41.8704, 32.8594, 57.5623



71.1029, 52.1061, 100.9168



38.5146, 31.5172, 39.8912



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6148



1.0310, 0.4952, 1.6864



# Inverse Universe

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



41.8704, 32.8594, 57.5623



71.1029, 52.1061, 100.9168



36.7054, 48.1107, 43.1895



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6148



1.0310, 0.4952, 1.6864



# Previews

## White Background



This preview shows how the XYZ color 41.8693, 32.8580, 57.5616 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

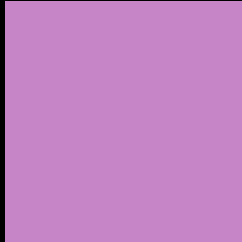
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.8693, 32.8580, 57.5616 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

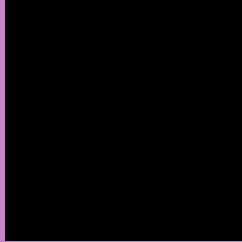
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.8693, 32.8580, 57.5616**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.8693, 32.8580, 57.5616.



This preview shows how white text looks on a background with the XYZ color 41.8693, 32.8580,



# 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

41.8693, 32.8580, 57.5616

### Protanopia

33.8827, 32.9898, 67.5327

### Deuteranopia

33.7283, 32.9308, 55.6175



## Tritanopia

37.1610, 32.8524, 34.5195

# Trichromacy



## Original Color

41.8693, 32.8580, 57.5616

## Protanomaly

36.1613, 32.5854, 64.0582

## Deuteranomaly

36.1242, 32.5158, 56.0020

## Tritanomaly

38.6422, 32.7991, 41.8303

# Monochromacy



## Original Color

41.8693, 32.8580, 57.5616

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

36.0019, 33.8674, 44.6839

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8693, 32.8580, 57.5616 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(198, 133, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 133, 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(198, 133, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 133, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8693, 32.8580, 57.5616 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(198, 133, 198) }
```



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

```
.border{ border-color:rgb(198, 133, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 133, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 133, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 133, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 133,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8693, 32.8580, 57.5616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 133, 198) }
```

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

```
.background{ background-color: rgb(198,  
133, 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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