

# Converting Colors

XYZ(45.4068, 43.3964, 54.7375)

Have a look what the booklet for  
XYZ(45.4068, 43.3964, 54.7375)  
contains.

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# Color

**XYZ(45.4745, 43.4311,  
54.7015)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1A9BE
RGB	193, 169, 190
RGB Percent	76%, 66%, 75%
CMY	0.2431, 0.3372, 0.2549
CMYK	0.00, 0.12, 0.02, 0.24
HSL	308°, 16%, 71%
HSV	308°, 12%, 76%
XYZ	45.4745, 43.4311, 54.7015
YIQ	178.5700, 7.5630, 11.6190

# Conversions

## Conversions Part 2

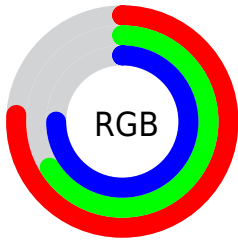
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 169, 190
Decimal	12691902
CIE <sub>Lab</sub>	71.85, 12.41, -7.53
CIE <sub>LCh</sub>	72, 14.520, 328.750
Yxy	43.4311, 0.3167, 0.3024
Android (android.graphics.Color)	4290881982 (0xFFC1A9BE)
YUV	178.5700, 5.6350, 12.6551
Hunter-Lab	65.9023, 7.8412, -3.0815

# Details

The XYZ color **45.4745, 43.4311, 54.7015** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **42.8802, 49.5546, 46.3369**, and the grayscale version is **42.5883, 44.8062, 48.7939**.

A 20% lighter version of the original color is **82.7145, 80.2891, 98.3266**, and **21.5241, 20.0177, 26.3963** is the 20% darker color. If you saturate the color by 10%, you get **41.8846, 36.6692, 52.2150**, and if you desaturate by 10%, it is **49.6013, 51.2585, 57.3895**.

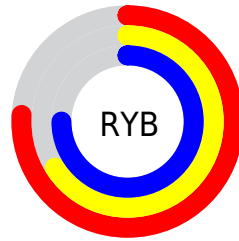
# Distribution



Red (76%)

Green (66%)

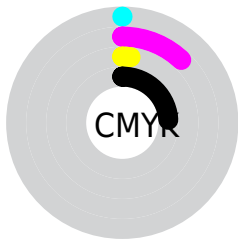
Blue (75%)



Red (76%)

Yellow (66%)

Blue (75%)

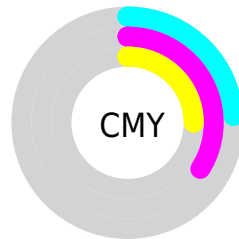


Cyan (0%)

Magenta (12%)

Yellow (2%)

Black (24%)



Cyan (24%)

Magenta (34%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4745, 43.4311, 54.7015 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 45.4745, 43.4311, 54.7015 by changing the saturation by 10% instead.





 45.4745, 43.4311,  
54.7015


 45.4745, 43.4311,  
54.7015


359.4434,  
360.3817, 422.0294

 32.0342, 30.2235,  
38.7658


 82.6647, 80.3610,  
98.5702

 21.5433, 20.0083,  
26.2712


 107.1453,  
104.8521, 127.3403

 13.6364, 12.4011,  
16.7990

136.0367,  
133.8732, 161.2257

 7.9482, 7.0174,  
9.9309

169.7043,  
167.8086, 200.6447

 4.1134, 3.4730,  
5.2481

208.5134,  
207.0427, 246.0161

 1.7665, 1.3834,  
2.3323

252.8293,

 0.4973, 0.2044,

251.9600, 297.7583

0.7492

303.0176,  
302.9449, 356.2899

■ 0.0000, 0.0000,  
0.0000

■ 45.4745, 43.4311,  
54.7015

■ 45.4745, 43.4311,  
54.7015

■ 41.8846, 36.6692,  
52.2150

■ 49.6013, 51.2585,  
57.3895

■ 38.8046, 30.9209,  
49.9194

■ 54.2829, 60.1891,  
60.2836

■ 36.2110, 26.1383,  
47.8072

■ 59.5411, 70.2659,  
63.3917

■ 34.0767, 22.2676,  
45.8694

■ 65.3954, 81.5278,  
66.7203

■ 32.3723, 19.2496,  
44.0960

■ 68.4209, 87.1249,  
69.1279

31.0645, 17.0182,  
42.4759

68.7090, 87.2402,  
70.6450

30.1155, 15.4976,  
40.9963

69.0016, 87.3572,  
72.1858

29.4799, 14.5970,  
39.6419

69.2987, 87.4760,  
73.7504

29.1422, 14.1974,  
38.6786

69.6003, 87.5967,  
75.3388

# Harmonies

## Analogous

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



43.6066, 43.4311, 60.2436



45.4745, 43.4311, 54.7015



46.2122, 43.4311, 47.5864

# Triad

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



45.4745, 43.4311, 54.7015



41.3836, 43.4311, 34.9532



37.2548, 43.4311, 54.1372

# Complementary

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



45.4745, 43.4311, 54.7015



42.8802, 49.5546, 46.3369

# 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.



36.7118, 43.4311, 46.9930



45.4745, 43.4311, 54.7015



39.0376, 43.4311, 36.3391

# Square

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



45.4745, 43.4311, 54.7015



43.7929, 43.4311, 36.5885



37.3516, 43.4311, 40.5785



38.8650, 43.4311, 59.8956



# Rectangle

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



45.4745, 43.4311, 54.7015



45.9422, 43.4311, 43.0506



37.3516, 43.4311, 40.5785



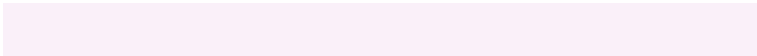
36.9443, 43.4311, 51.7971

# Sweetspot

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



45.4758, 43.4330, 54.7024



87.5647, 89.3869, 101.9752



40.7849, 40.9765, 56.2123



18.6604, 18.9387, 21.7969



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.



45.4758, 43.4330, 54.7024



79.5500, 74.2059, 96.6880



44.2377, 42.9378, 48.1828



10.4413, 10.2251, 12.4147



19.4031, 9.4510, 25.8324



0.8539, 0.4146, 1.1978



# Inverse Universe

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



45.4758, 43.4330, 54.7024



79.5500, 74.2059, 96.6880



44.0644, 50.0283, 52.5728



10.4413, 10.2251, 12.4147



19.4031, 9.4510, 25.8324

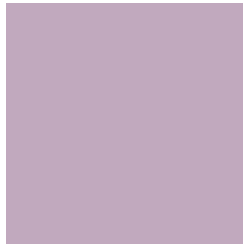


0.8539, 0.4146, 1.1978



# Previews

## White Background



This preview shows how the XYZ color 45.4745, 43.4311, 54.7015 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

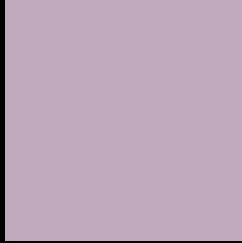
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.4745, 43.4311, 54.7015 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 45.4745, 43.4311, 54.7015**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.4745, 43.4311, 54.7015.



This preview shows how white text looks on a background with the XYZ color 45.4745, 43.4311,



# 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

45.4745, 43.4311, 54.7015

### Protanopia

42.5231, 43.5537, 57.2044

### Deuteranopia

44.3507, 43.4083, 54.7563



## Tritanopia

44.6602, 43.3748, 50.8181

# Trichromacy



## Original Color

45.4745, 43.4311, 54.7015

## Protanomaly

43.6253, 43.5612, 56.5609

## Deuteranomaly

44.6553, 43.2860, 54.7166

## Tritanomaly

44.9759, 43.5011, 52.4804

# Monochromacy



## Original Color

45.4745, 43.4311, 54.7015

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

43.6444, 44.2692, 51.0442

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.4745, 43.4311, 54.7015 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(193, 169, 190)` looks like.

```
.text, #text, p{  
    color:rgb(193, 169, 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(193, 169, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 169, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 45.4745, 43.4311, 54.7015 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(193, 169, 190) }
```



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

```
.border{ border-color:rgb(193, 169, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 169, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 169, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 169, 190);  
box-shadow:4px 4px 4px 4px rgb(193, 169,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.4745, 43.4311, 54.7015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 169, 190) }
```

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

```
.background{ background-color: rgb(193,  
169, 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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