

# Converting Colors

XYZ(50.4854, 43.5878, 65.7063)

Have a look what the booklet for  
XYZ(50.4854, 43.5878, 65.7063)  
contains.

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# Color

**XYZ(50.4245, 43.5991,  
65.4323)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1A1D0
RGB	209, 161, 208
RGB Percent	82%, 63%, 82%
CMY	0.1804, 0.3686, 0.1843
CMYK	0.00, 0.23, 0.00, 0.18
HSL	301°, 34%, 73%
HSV	301°, 23%, 82%
XYZ	50.4245, 43.5991, 65.4323
YIQ	180.7100, 13.5210, 24.7930

# Conversions

## Conversions Part 2

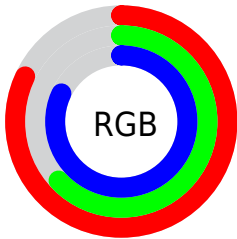
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 161, 208
Decimal	13738448
CIE Lab	71.96, 25.63, -17.12
CIE LCh	72, 30.822, 326.258
Yxy	43.5991, 0.3162, 0.2734
Android (android.graphics.Color)	4291928528 (0xFFD1A1D0)
YUV	180.7100, 13.4540, 24.8103
Hunter-Lab	66.0296, 20.7624, -12.5329

# Details

The XYZ color **50.4245, 43.5991, 65.4323** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.0217, 55.7879, 42.6327**, and the grayscale version is **43.6901, 45.9654, 50.0563**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **24.6278, 20.1404, 33.1613** is the 20% darker color. If you saturate the color by 10%, you get **47.0200, 36.8750, 64.0339**, and if you desaturate by 10%, it is **54.4423, 51.5480, 67.0368**.

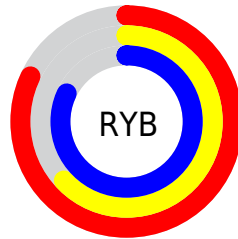
# Distribution



Red (82%)

Green (63%)

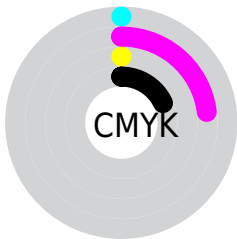
Blue (82%)



Red (82%)

Yellow (63%)

Blue (82%)

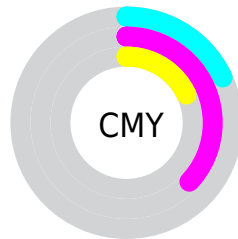


Cyan (0%)

Magenta (23%)

Yellow (0%)

Black (18%)



Cyan (18%)

Magenta (37%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4245, 43.5991, 65.4323 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 50.4245, 43.5991, 65.4323 by changing the saturation by 10% instead.





 50.4245, 43.5991,  
65.4323


 50.4245, 43.5991,  
65.4323


378.7483,  
361.0698, 462.6925

 35.9700, 30.3555,  
47.3581

 89.9916, 80.6141,  
114.2904

 24.5810, 20.1085,  
32.9625


 115.8349,  
105.1543, 145.9113

 15.8922, 12.4740,  
21.8268


146.2051,  
134.2288, 182.8850

 9.5383, 7.0673,  
13.5326

181.4677,  
168.2221, 225.6299

 5.1538, 3.5042,  
7.6613

221.9879,  
207.5184, 274.5645

 2.3735, 1.4003,  
3.7943

268.1312,

 0.8319, 0.2170,

252.5022, 330.1075

1.5132

320.2629,  
303.5578, 392.6773

■ 0.0000, 0.0000,  
0.2277

■ 0.0000, 0.0000,  
0.0000

■ 50.4245, 43.5991,  
65.4323

■ 50.4245, 43.5991,  
65.4323

■ 47.0200, 36.8750,  
64.0339

■ 54.4423, 51.5480,  
67.0368

■ 44.1944, 31.3092,  
62.8287

■ 59.0976, 60.7724,  
68.8541

■ 41.9162, 26.8380,  
61.8067

■ 64.4181, 71.3271,  
70.8939

■ 40.1491, 23.3888,  
60.9558

■ 70.4289, 83.2621,  
73.1644

38.8527, 20.8806,  
60.2625

73.7100, 89.7376,  
74.5258

37.9801, 19.2199,  
59.7112

73.7644, 89.7593,  
74.8124

37.4752, 18.2943,  
59.2832

73.8190, 89.7812,  
75.0997

37.2715, 17.9462,  
59.0330

73.8737, 89.8030,  
75.3879

73.9286, 89.8250,  
75.6768

# Harmonies

## Analogous

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



46.0736, 43.5991, 78.4478



50.4245, 43.5991, 65.4323



52.3647, 43.5991, 49.3862

# Triad

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



50.4245, 43.5991, 65.4323



42.1027, 43.5991, 24.0511



33.0208, 43.5991, 61.4631

# Complementary

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



50.4245, 43.5991, 65.4323



44.0217, 55.7879, 42.6327

# 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.



32.1507, 43.5991, 45.6079



50.4245, 43.5991, 65.4323



37.1273, 43.5991, 25.9583

# Square

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



50.4245, 43.5991, 65.4323



47.3106, 43.5991, 27.2421



33.5910, 43.5991, 33.1415



36.0757, 43.5991, 75.8370



# Rectangle

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



50.4245, 43.5991, 65.4323



51.9188, 43.5991, 39.8211



33.5910, 43.5991, 33.1415



32.4749, 43.5991, 56.0450

# Sweetspot

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



50.4258, 43.6010, 65.4332



89.5578, 89.1113, 106.7741



39.1151, 37.7559, 65.5484



19.0729, 18.8829, 22.8165



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.



50.4258, 43.6010, 65.4332



76.1088, 62.4995, 101.4089



47.7136, 42.5161, 51.1507



12.2997, 12.0046, 14.8542



22.9850, 11.0669, 36.4230



1.2886, 0.6202, 2.0548



# Inverse Universe

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



50.4258, 43.6010, 65.4332



76.1088, 62.4995, 101.4089



46.3417, 56.7159, 54.8494



12.2997, 12.0046, 14.8542



22.9850, 11.0669, 36.4230



1.2886, 0.6202, 2.0548



# Previews

## White Background



This preview shows how the XYZ color 50.4245, 43.5991, 65.4323 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

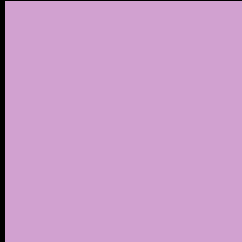
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.4245, 43.5991, 65.4323 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

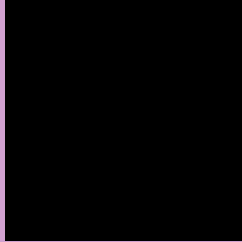
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.4245, 43.5991, 65.4323**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.4245, 43.5991, 65.4323.



This preview shows how white text looks on a background with the XYZ color 50.4245, 43.5991,



# 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

50.4245, 43.5991, 65.4323

### Protanopia

43.7907, 43.8852, 71.8083

### Deuteranopia

44.7155, 43.6646, 64.4639



## Tritanopia

46.9497, 43.5062, 48.5709

# Trichromacy



## Original Color

50.4245, 43.5991, 65.4323

## Protanomaly

45.8037, 43.5496, 69.6101

## Deuteranomaly

46.7510, 43.5866, 64.9805

## Tritanomaly

48.0233, 43.3904, 54.5593

# Monochromacy



## Original Color

50.4245, 43.5991, 65.4323

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

46.0259, 45.1101, 55.5715

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.4245, 43.5991, 65.4323 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(209, 161, 208)` looks like.

```
.text, #text, p{  
    color:rgb(209, 161, 208)  
}
```

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(209, 161, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 161, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 50.4245, 43.5991, 65.4323 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(209, 161, 208) }
```



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

```
.border{ border-color:rgb(209, 161, 208) }
```

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

Here you see how a box with a 4 pixel rgb(209, 161, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 161, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 161, 208);  
box-shadow:4px 4px 4px 4px rgb(209, 161,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.4245, 43.5991, 65.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 161, 208) }
```

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

```
.background{ background-color: rgb(209,  
161, 208) }
```

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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