

# Converting Colors

XYZ(53.8295, 47.9578, 67.8492)

Have a look what the booklet for  
XYZ(53.8295, 47.9578, 67.8492)  
contains.

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# Color

**XYZ(53.7614, 47.9751,  
68.0546)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5ABD3
RGB	213, 171, 211
RGB Percent	84%, 67%, 83%
CMY	0.1647, 0.3294, 0.1725
CMYK	0.00, 0.20, 0.01, 0.16
HSL	303°, 33%, 75%
HSV	303°, 20%, 84%
XYZ	53.7614, 47.9751, 68.0546
YIQ	188.1180, 12.1920, 21.3440

# Conversions

## Conversions Part 2

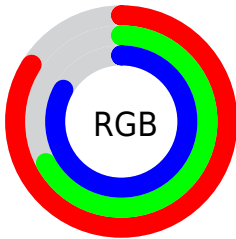
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 171, 211
Decimal	14003155
CIE <sub>Lab</sub>	74.81, 22.09, -14.43
CIE <sub>LCh</sub>	75, 26.383, 326.837
Yxy	47.9751, 0.3166, 0.2826
Android (android.graphics.Color)	4292193235 (0xFFD5ABD3)
YUV	188.1180, 11.2808, 21.8215
Hunter-Lab	69.2641, 17.3361, -9.7699

# Details

The XYZ color **53.7614, 47.9751, 68.0546** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.1336, 59.2651, 48.4402**, and the grayscale version is **47.8013, 50.2907, 54.7665**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **26.5797, 22.6263, 34.4189** is the 20% darker color. If you saturate the color by 10%, you get **49.9315, 40.5174, 66.1529**, and if you desaturate by 10%, it is **58.2433, 56.7340, 70.1787**.

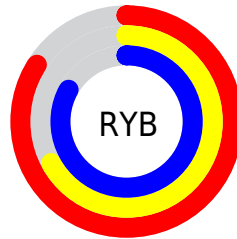
# Distribution



Red (84%)

Green (67%)

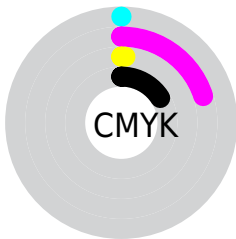
Blue (83%)



Red (84%)

Yellow (67%)

Blue (83%)

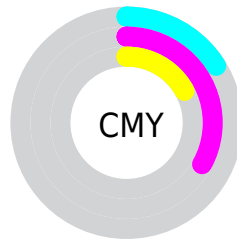


Cyan (0%)

Magenta (20%)

Yellow (1%)

Black (16%)



Cyan (16%)

Magenta (33%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.7614, 47.9751, 68.0546 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 53.7614, 47.9751, 68.0546 by changing the saturation by 10% instead.



53.7614, 47.9751,  
68.0546

53.7614, 47.9751,  
68.0546

391.4127,  
378.6934, 472.2928

38.6408, 33.8072,  
49.4752

94.8828, 87.1673,  
118.0852

26.6599, 22.7455,  
34.6283

121.6143,  
112.9604, 150.3735

17.4532, 14.4057,  
23.0955

152.9469,  
143.3973, 188.0684

10.6555, 8.4034,  
14.4580

189.2458,  
178.8625, 231.5887

5.9012, 4.3541,  
8.2975

230.8765,  
219.7403, 281.3527

2.8252, 1.8736,  
4.1954

278.2044,

1.0620, 0.5324,

266.4151, 337.7790

1.7332

331.5946,  
319.2714, 401.2862

■ 0.0000, 0.0000,  
0.3833

■ 0.0000, 0.0000,  
0.0000

■ 53.7614, 47.9751,  
68.0546

■ 53.7614, 47.9751,  
68.0546

■ 49.9315, 40.5174,  
66.1529

■ 58.2433, 56.7340,  
70.1787

■ 46.7182, 34.2925,  
64.4601

■ 63.4019, 66.8455,  
72.5318

■ 44.0895, 29.2355,  
62.9661

■ 69.2656, 78.3661,  
75.1239

■ 42.0087, 25.2729,  
61.6587

■ 75.4744, 90.5757,  
77.8351

40.4348, 22.3230,  
60.5242

75.6053, 90.6281,  
78.5242

39.3213, 20.2926,  
59.5471

75.7370, 90.6808,  
79.2176

38.6130, 19.0713,  
58.7090

75.8695, 90.7337,  
79.9153

38.2132, 18.4657,  
57.9776

76.0028, 90.7871,  
80.6173

38.2033, 18.4513,  
57.9574

76.1369, 90.8407,  
81.3236

# Harmonies

## Analogous

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



49.8896, 47.9751, 79.5204



53.7614, 47.9751, 68.0546



55.4390, 47.9751, 53.7074

# Triad

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



53.7614, 47.9751, 68.0546



46.1096, 47.9751, 30.0572



37.8563, 47.9751, 65.0883

# Complementary

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



53.7614, 47.9751, 68.0546



48.1336, 59.2651, 48.4402

# 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.



36.9980, 47.9751, 50.7932



53.7614, 47.9751, 68.0546



41.5616, 47.9751, 32.0390

# Square

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



53.7614, 47.9751, 68.0546



50.8311, 47.9751, 33.1024



38.3075, 47.9751, 39.0820



40.7387, 47.9751, 77.6077



# Rectangle

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



53.7614, 47.9751, 68.0546



55.0059, 47.9751, 44.9551



38.3075, 47.9751, 39.0820



37.3306, 47.9751, 60.2650

# Sweetspot

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



53.7628, 47.9772, 68.0556



90.2447, 90.5768, 106.7205



43.6765, 42.7483, 68.9011



19.2091, 19.1775, 22.7935



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.



53.7628, 47.9772, 68.0556



78.0714, 66.7883, 100.9425



51.3652, 47.0181, 55.4298



12.9263, 12.6220, 15.5520



23.3470, 11.2751, 35.4608



1.4162, 0.6833, 2.1812



# Inverse Universe

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



53.7628, 47.9772, 68.0556



78.0714, 66.7883, 100.9425



50.2610, 60.1160, 59.6427



12.9263, 12.6220, 15.5520



23.3470, 11.2751, 35.4608

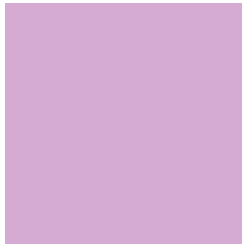


1.4162, 0.6833, 2.1812



# Previews

## White Background



This preview shows how the XYZ color 53.7614, 47.9751, 68.0546 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

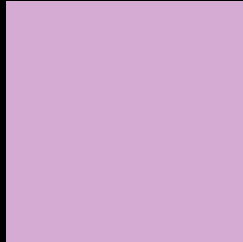
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.7614, 47.9751, 68.0546 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

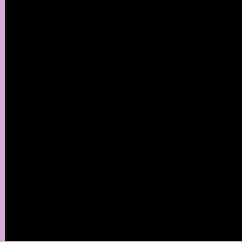
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.7614, 47.9751, 68.0546**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.7614, 47.9751, 68.0546.



This preview shows how white text looks on a background with the XYZ color 53.7614, 47.9751,



# 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

53.7614, 47.9751, 68.0546

### Protanopia

47.8511, 48.3286, 73.8242

### Deuteranopia

49.0651, 48.1931, 67.0378



## Tritanopia

51.0936, 48.0357, 54.7230

# Trichromacy



## Original Color

53.7614, 47.9751, 68.0546

## Protanomaly

49.7500, 48.1452, 71.6366

## Deuteranomaly

50.6437, 48.1032, 67.5884

## Tritanomaly

52.0781, 48.1522, 59.3728

# Monochromacy



## Original Color

53.7614, 47.9751, 68.0546

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

49.7177, 49.3117, 59.1223

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.7614, 47.9751, 68.0546 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(213, 171, 211)` looks like.

```
.text, #text, p{  
    color:rgb(213, 171, 211)  
}
```

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(213, 171, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 171, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 53.7614, 47.9751, 68.0546 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(213, 171, 211) }
```



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

```
.border{ border-color:rgb(213, 171, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 171, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 171, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 171, 211);  
box-shadow:4px 4px 4px 4px rgb(213, 171,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.7614, 47.9751, 68.0546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 171, 211) }
```

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

```
.background{ background-color: rgb(213,  
171, 211) }
```

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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