

# Converting Colors

XYZ(56.1701, 49.8872, 63.9651)

Have a look what the booklet for  
XYZ(56.1701, 49.8872, 63.9651)  
contains.

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# Color

**XYZ(56.2741, 49.9347,  
63.7991)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFADCC
RGB	223, 173, 204
RGB Percent	87%, 68%, 80%
CMY	0.1255, 0.3215, 0.2000
CMYK	0.00, 0.22, 0.09, 0.13
HSL	323°, 44%, 78%
HSV	323°, 22%, 87%
XYZ	56.2741, 49.9347, 63.7991
YIQ	191.4840, 19.8490, 20.2410

# Conversions

## Conversions Part 2

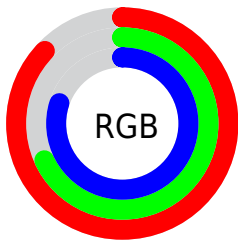
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 173, 204
Decimal	14659020
CIE Lab	76.03, 23.17, -8.69
CIE LCh	76, 24.747, 339.448
Yxy	49.9347, 0.3310, 0.2937
Android (android.graphics.Color)	4292849100 (0xFFDFADCC)
YUV	191.4840, 6.1704, 27.6395
Hunter-Lab	70.6645, 18.4867, -4.0646

# Details

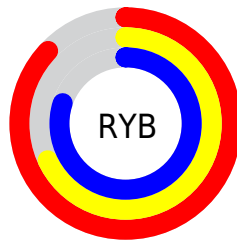
The XYZ color **56.2741, 49.9347, 63.7991** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.1377, 65.4668, 59.7079**, and the grayscale version is **49.7606, 52.3521, 57.0114**.

A 20% lighter version of the original color is **87.3093, 84.5186, 106.3198**, and **28.1578, 23.8504, 31.9737** is the 20% darker color. If you saturate the color by 10%, you get **51.3609, 41.6905, 57.2823**, and if you desaturate by 10%, it is **61.9592, 59.6328, 70.8472**.

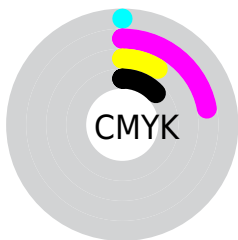
# Distribution



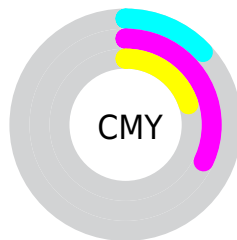
- Red (87%)
- Green (68%)
- Blue (80%)



- Red (87%)
- Yellow (68%)
- Blue (80%)



- Cyan (0%)
- Magenta (22%)
- Yellow (9%)
- Black (13%)



- Cyan (13%)
- Magenta (32%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2741, 49.9347, 63.7991 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 56.2741, 49.9347, 63.7991 by changing the saturation by 10% instead.



■ 56.2741, 49.9347,  
63.7991

■ 56.2741, 49.9347,  
63.7991

400.7820,  
386.4105, 456.6513

■ 40.6606, 35.3615,  
46.0428

■ 98.5427, 90.0781,  
111.9182

■ 28.2405, 23.9415,  
31.9307

125.9285,  
116.4171, 143.1182

■ 18.6484, 15.2902,  
21.0442

157.9692,  
147.4469, 179.6365

■ 11.5190, 9.0233,  
12.9648

195.0300,  
183.5518, 221.8916

■ 6.4869, 4.7564,  
7.2738

237.4763,  
225.1162, 270.3021

■ 3.1868, 2.1051,  
3.5529

285.6735,

■ 1.2533, 0.6675,

272.5245, 325.2865

1.3834

339.9869,  
326.1612, 387.2634

■ 0.1478, 0.0000,  
0.1287

■ 0.0000, 0.0000,  
0.0000

■ 56.2741, 49.9347,  
63.7991

■ 56.2741, 49.9347,  
63.7991

■ 51.3609, 41.6905,  
57.2823

■ 61.9592, 59.6328,  
70.8472

■ 47.1791, 34.8224,  
51.2774

■ 68.4455, 70.8443,  
78.4390

■ 43.6906, 29.2554,  
45.7678

■ 75.7664, 83.6336,  
86.5901

■ 40.8523, 24.9047,  
40.7347

■ 81.6098, 93.3754,  
94.5340

■ 38.6161, 21.6752,  
36.1573

■ 82.8840, 93.8851,  
101.2440

■ 36.9264, 19.4576,  
32.0125

■ 84.2176, 94.4185,  
108.2668

■ 35.7168, 18.1205,  
28.2730

■ 84.2418, 94.4282,  
108.3942

■ 35.0376, 17.5305,  
25.6781

# Harmonies

## Analogous

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



53.3320, 49.9347, 76.4757



56.2741, 49.9347, 63.7991



56.7739, 49.9347, 50.3006

# Triad

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



56.2741, 49.9347, 63.7991



46.0182, 49.9347, 32.9388



40.9273, 49.9347, 72.1886

# Complementary

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



56.2741, 49.9347, 63.7991



53.1377, 65.4668, 59.7079

# 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.



39.2274, 49.9347, 58.6541



56.2741, 49.9347, 63.7991



42.0383, 49.9347, 36.9969

# Square

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



56.2741, 49.9347, 63.7991



50.6486, 49.9347, 33.8594



39.6205, 49.9347, 45.9197



44.4109, 49.9347, 81.8386



# Rectangle

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



56.2741, 49.9347, 63.7991



55.6244, 49.9347, 42.7981



39.6205, 49.9347, 45.9197



40.1389, 49.9347, 67.8607

# Sweetspot

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



56.2756, 49.9369, 63.8002



88.5445, 88.7060, 101.4383



49.8347, 46.3370, 76.1303



18.8377, 18.7889, 21.5780



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.



56.2756, 49.9369, 63.8002



72.9503, 62.0890, 82.1473



53.5811, 48.8591, 49.6113



14.0627, 13.8427, 16.1002



20.6580, 10.3302, 15.3966



1.4751, 0.7333, 1.2946



# Inverse Universe

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



56.2756, 49.9369, 63.8002



72.9503, 62.0890, 82.1473



56.0608, 66.6361, 75.1005



14.0627, 13.8427, 16.1002



20.6580, 10.3302, 15.3966

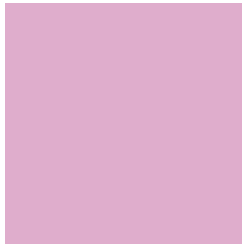


1.4751, 0.7333, 1.2946



# Previews

## White Background



This preview shows how the XYZ color 56.2741, 49.9347, 63.7991 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

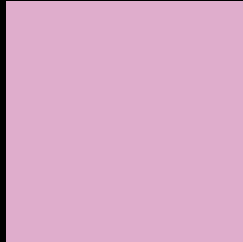
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.2741, 49.9347, 63.7991 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

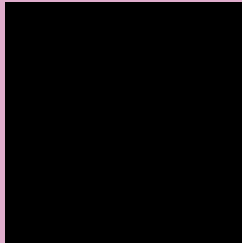
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.2741, 49.9347, 63.7991**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.2741, 49.9347, 63.7991.



This preview shows how white text looks on a background with the XYZ color 56.2741, 49.9347,



# 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

56.2741, 49.9347, 63.7991

### Protanopia

49.2097, 50.0616, 69.3566

### Deuteranopia

50.9418, 49.8623, 62.8166



## Tritanopia

54.5294, 50.0969, 54.9398

# Trichromacy



## Original Color

56.2741, 49.9347, 63.7991

## Protanomaly

51.3212, 49.6570, 67.2014

## Deuteranomaly

52.9120, 49.9619, 63.3548

## Tritanomaly

55.1918, 50.0846, 57.7973

# Monochromacy



## Original Color

56.2741, 49.9347, 63.7991

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

51.7329, 50.9630, 59.3348

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.2741, 49.9347, 63.7991 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(223, 173, 204)` looks like.

```
.text, #text, p{  
    color:rgb(223, 173, 204)  
}
```

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(223, 173, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 173, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 56.2741, 49.9347, 63.7991 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(223, 173, 204) }
```



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

```
.border{ border-color:rgb(223, 173, 204) }
```

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

Here you see how a box with a 4 pixel rgb(223, 173, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 173, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 173, 204);  
box-shadow:4px 4px 4px 4px rgb(223, 173,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.2741, 49.9347, 63.7991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 173, 204) }
```

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

```
.background{ background-color: rgb(223,  
173, 204) }
```

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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