

# Converting Colors

XYZ(63.4230, 63.2578, 76.5695)

Have a look what the booklet for  
XYZ(63.4230, 63.2578, 76.5695)  
contains.

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# Color

**XYZ(63.4246, 63.2585,  
76.5774)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DACCDC
RGB	218, 204, 220
RGB Percent	85%, 80%, 86%
CMY	0.1451, 0.2000, 0.1372
CMYK	0.01, 0.07, 0.00, 0.14
HSL	292°, 19%, 83%
HSV	292°, 7%, 86%
XYZ	63.4246, 63.2585, 76.5774
YIQ	210.0100, 3.2080, 7.9440

# Conversions

## Conversions Part 2

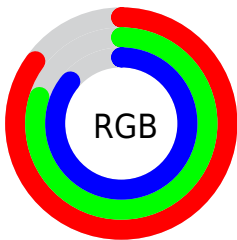
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 204, 220
Decimal	14339292
CIE Lab	83.58, 7.71, -6.17
CIE LCh	84, 9.878, 321.324
Yxy	63.2585, 0.3120, 0.3112
Android (android.graphics.Color)	4292529372 (0xFFDACDC)
YUV	210.0100, 4.9251, 7.0072
Hunter-Lab	79.5352, 3.1565, -1.4104

# Details

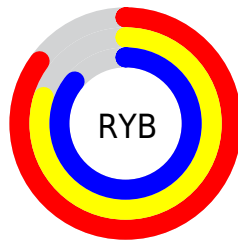
The XYZ color **63.4246, 63.2585, 76.5774** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.9482, 68.6695, 67.1195**, and the grayscale version is **61.2339, 64.4229, 70.1565**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.8021, 32.3158, 40.1060** is the 20% darker color. If you saturate the color by 10%, you get **57.7456, 53.1105, 74.9189**, and if you desaturate by 10%, it is **69.8596, 74.8962, 78.4855**.

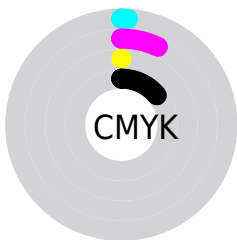
# Distribution



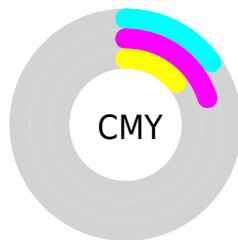
- Red (85%)
- Green (80%)
- Blue (86%)



- Red (85%)
- Yellow (80%)
- Blue (86%)



- Cyan (1%)
- Magenta (7%)
- Yellow (0%)
- Black (14%)



- Cyan (15%)
- Magenta (20%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4246, 63.2585, 76.5774 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 63.4246, 63.2585, 76.5774 by changing the saturation by 10% instead.



63.4246, 63.2585,  
76.5774

63.4246, 63.2585,  
76.5774

426.7440,  
436.5070, 502.7213

46.4447, 46.0504,  
56.3966

108.8602,  
109.5424, 130.3103

32.8030, 32.2856,  
40.1149

138.0467,  
139.3869, 164.6995

22.1341, 21.5797,  
27.3136

172.0327,  
174.2123, 204.6620

14.0726, 13.5484,  
17.5744

211.1837,  
214.4031, 250.6161

8.2532, 7.8073,  
10.4786

255.8650,  
260.3435, 302.9806

4.3106, 3.9719,  
5.6077

306.4419,

1.8793, 1.6578,

312.4181, 362.1740

2.5431

363.2798,  
371.0111, 428.6147

■ 0.5648, 0.3961,  
0.8629

■ 0.0000, 0.0000,  
0.0000

■ 63.4246, 63.2585,  
76.5774

■ 63.4246, 63.2585,  
76.5774

■ 57.7456, 53.1105,  
74.9189

■ 69.8596, 74.8962,  
78.4855

■ 52.7861, 44.3823,  
73.4956

■ 77.0740, 88.0734,  
80.6487

■ 48.5149, 37.0107,  
72.2978

■ 80.1218, 92.8970,  
81.4191

■ 44.8965, 30.9246,  
71.3138

■ 80.9925, 93.3459,  
81.4599

41.8918, 26.0462,  
70.5306

81.8772, 93.8020,  
81.5013

39.4579, 22.2895,  
69.9337

82.7758, 94.2652,  
81.5433

37.5458, 19.5567,  
69.5070

83.6885, 94.7357,  
81.5860

36.0983, 17.7336,  
69.2314

84.6152, 95.2135,  
81.6294

35.0392, 16.6678,  
69.0815

85.5561, 95.6985,  
81.6734

# Harmonies

## Analogous

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



61.6475, 63.2585, 80.5565



63.4246, 63.2585, 76.5774



64.3230, 63.2585, 70.6868

# Triad

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



63.4246, 63.2585, 76.5774



60.7537, 63.2585, 57.7811



56.3407, 63.2585, 73.2919

# Complementary

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



63.4246, 63.2585, 76.5774



61.9482, 68.6695, 67.1195

# 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.



56.1144, 63.2585, 67.0999



63.4246, 63.2585, 76.5774



58.6284, 63.2585, 58.3861

# Square

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



63.4246, 63.2585, 76.5774



62.7569, 63.2585, 60.0072



56.9425, 63.2585, 61.7123



57.5683, 63.2585, 78.5821



# Rectangle

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



63.4246, 63.2585, 76.5774



64.2881, 63.2585, 66.5697



56.9425, 63.2585, 61.7123



56.1462, 63.2585, 71.2385

# Sweetspot

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



63.4264, 63.2612, 76.5788



93.2104, 96.6684, 108.3539



59.9262, 62.2146, 76.5612



19.9701, 20.7259, 23.1979



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.



63.4264, 63.2612, 76.5788



87.1130, 85.6813, 106.5545



63.2647, 63.2660, 72.5866



13.4459, 13.1880, 16.4890



20.4785, 9.6812, 40.5277



1.3725, 0.6508, 2.6277



# Inverse Universe

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



62.2509, 62.8605, 67.2480



85.0944, 84.9949, 90.4567



62.1135, 68.6719, 70.8694



13.1219, 13.0779, 13.9034



17.4639, 8.9866, 1.5570

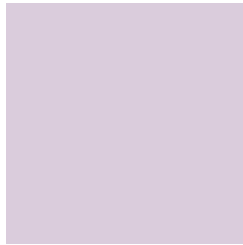


1.1537, 0.5911, 0.2181



# Previews

## White Background



This preview shows how the XYZ color 63.4246, 63.2585, 76.5774 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

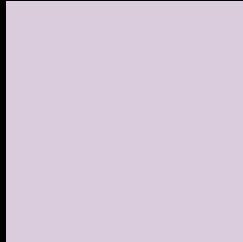
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.4246, 63.2585, 76.5774 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

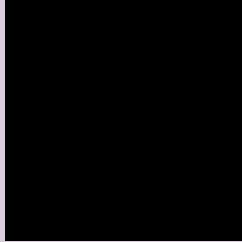
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.4246, 63.2585, 76.5774

## Background



This preview shows how black text looks on a background with the XYZ color 63.4246, 63.2585, 76.5774.



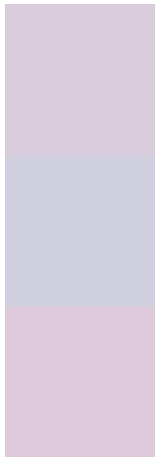
This preview shows how white text looks on a background with the XYZ color 63.4246, 63.2585,



# 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

63.4246, 63.2585, 76.5774

### Protanopia

61.5101, 63.3095, 78.0853

### Deuteranopia

64.4702, 63.0963, 76.4910



## Tritanopia

63.4246, 63.2585, 76.5774

# Trichromacy



## Original Color

63.4246, 63.2585, 76.5774

## Protanomaly

62.2738, 63.3601, 77.3542

## Deuteranomaly

64.0930, 63.2513, 76.5408

## Tritanomaly

63.4246, 63.2585, 76.5774

# Monochromacy



## Original Color

63.4246, 63.2585, 76.5774

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

62.1340, 64.1129, 72.7185

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.4246, 63.2585, 76.5774 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(218, 204, 220) looks like.

```
.text, #text, p{  
    color:rgb(218, 204, 220)  
}
```

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(218, 204, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 204, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 63.4246, 63.2585, 76.5774 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(218, 204, 220) }
```



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

```
.border{ border-color:rgb(218, 204, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 204, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 204, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 204, 220);  
box-shadow:4px 4px 4px 4px rgb(218, 204,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.4246, 63.2585, 76.5774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 204, 220) }
```

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

```
.background{ background-color: rgb(218,  
204, 220) }
```

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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