

# Converting Colors

XYZ(63.6812, 62.7089, 75.5795)

Have a look what the booklet for  
XYZ(63.6812, 62.7089, 75.5795)  
contains.

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# Color

**XYZ(63.7255, 62.7277,  
75.7668)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDCADB
RGB	221, 202, 219
RGB Percent	87%, 79%, 86%
CMY	0.1333, 0.2078, 0.1412
CMYK	0.00, 0.09, 0.01, 0.13
HSL	306°, 22%, 83%
HSV	306°, 9%, 87%
XYZ	63.7255, 62.7277, 75.7668
YIQ	209.6190, 5.8670, 9.3150

# Conversions

## Conversions Part 2

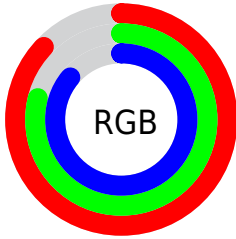
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 202, 219
Decimal	14535387
CIE Lab	83.30, 9.61, -6.02
CIE LCh	83, 11.338, 327.903
Yxy	62.7277, 0.3151, 0.3102
Android (android.graphics.Color)	4292725467 (0xFFDDCADB)
YUV	209.6190, 4.6248, 9.9811
Hunter-Lab	79.2008, 5.0208, -1.2787

# Details

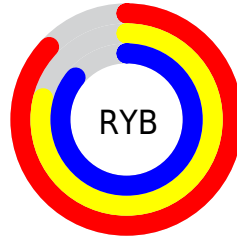
The XYZ color **63.7255, 62.7277, 75.7668** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.1150, 68.6308, 67.1560**, and the grayscale version is **60.9784, 64.1540, 69.8637**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.0166, 31.9671, 39.5521** is the 20% darker color. If you saturate the color by 10%, you get **58.6034, 52.9694, 72.5593**, and if you desaturate by 10%, it is **69.5981, 73.9783, 79.2471**.

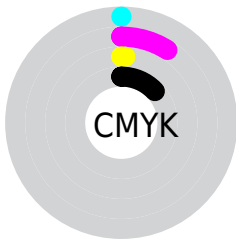
# Distribution



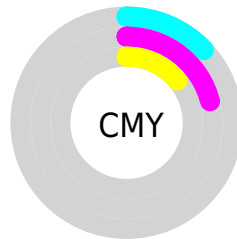
- Red (87%)
- Green (79%)
- Blue (86%)



- Red (87%)
- Yellow (79%)
- Blue (86%)



- Cyan (0%)
- Magenta (9%)
- Yellow (1%)
- Black (13%)



- Cyan (13%)
- Magenta (21%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7255, 62.7277, 75.7668 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 63.7255, 62.7277, 75.7668 by changing the saturation by 10% instead.



63.7255, 62.7277,  
75.7668

63.7255, 62.7277,  
75.7668

427.8156,  
434.5806, 499.8746

46.6892, 45.6210,  
55.7358

109.2915,  
108.7766, 129.1543

32.9970, 31.9468,  
39.5886

138.5519,  
138.4875, 163.3478

22.2833, 21.3209,  
26.9066

172.6177,  
173.1686, 203.0993

14.1830, 13.3588,  
17.2712

211.8543,  
213.2043, 248.8273

8.3306, 7.6760,  
10.2641

256.6271,  
258.9789, 300.9502

4.3608, 3.8884,  
5.4665

307.3013,

1.9082, 1.6113,

310.8769, 359.8868

2.4600

364.2424,  
369.2827, 426.0554

■ 0.5816, 0.3652,  
0.8189

■ 0.0000, 0.0000,  
0.0000

■ 63.7255, 62.7277,  
75.7668

■ 63.7255, 62.7277,  
75.7668

■ 58.6034, 52.9694,  
72.5593

■ 69.5981, 73.9783,  
79.2471

■ 54.1949, 44.6324,  
69.6100

■ 76.2453, 86.7721,  
83.0060

■ 50.4682, 37.6522,  
66.9089

■ 79.3042, 92.3823,  
85.5902

■ 47.3868, 31.9559,  
64.4437

■ 79.6257, 92.5110,  
87.2832

44.9110, 27.4641,  
62.2013

79.9515, 92.6413,  
88.9992

42.9966, 24.0883,  
60.1666

80.2818, 92.7734,  
90.7382

41.5933, 21.7280,  
58.3230

80.6164, 92.9072,  
92.5002

40.6418, 20.2646,  
56.6504

80.9554, 93.0428,  
94.2855

40.0529, 19.5197,  
55.1192

81.2988, 93.1802,  
96.0940

# Harmonies

## Analogous

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



61.8658, 62.7277, 81.0075



63.7255, 62.7277, 75.7668



64.4822, 62.7277, 68.7975

# Triad

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



63.7255, 62.7277, 75.7668



59.7943, 62.7277, 55.6168



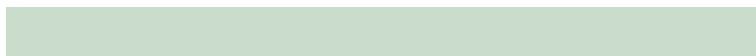
55.5308, 62.7277, 74.8490

# Complementary

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



63.7255, 62.7277, 75.7668



61.1150, 68.6308, 67.1560

# 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.



55.0100, 62.7277, 67.8045



63.7255, 62.7277, 75.7668



57.4308, 62.7277, 56.9958

# Square

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



63.7255, 62.7277, 75.7668



62.1740, 62.7277, 57.4370



55.6963, 62.7277, 61.3403



57.1384, 62.7277, 80.4525



# Rectangle

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



63.7255, 62.7277, 75.7668



64.2441, 62.7277, 64.2127



55.6963, 62.7277, 61.3403



55.2248, 62.7277, 72.5568

# Sweetspot

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



63.7273, 62.7304, 75.7682



92.5285, 95.1640, 107.4211



59.0488, 60.2880, 76.9321



19.6642, 20.0994, 22.9092



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.



63.7273, 62.7304, 75.7682



87.0186, 84.6240, 104.1053



62.5245, 62.2493, 69.4341



13.5522, 13.2500, 16.1693



23.2506, 11.3013, 32.0296



1.5236, 0.7391, 2.1664



# Inverse Universe

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



63.7273, 62.7304, 75.7682



87.0186, 84.6240, 104.1053



62.2768, 69.0955, 73.2737



13.5522, 13.2500, 16.1693



23.2506, 11.3013, 32.0296

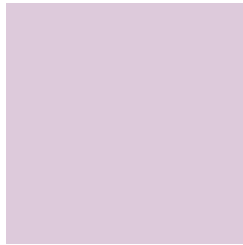


1.5236, 0.7391, 2.1664



# Previews

## White Background



This preview shows how the XYZ color 63.7255, 62.7277, 75.7668 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

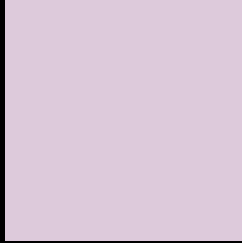
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.7255, 62.7277, 75.7668 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

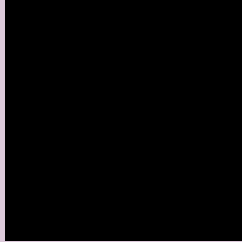
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.7255, 62.7277, 75.7668**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.7255, 62.7277, 75.7668.



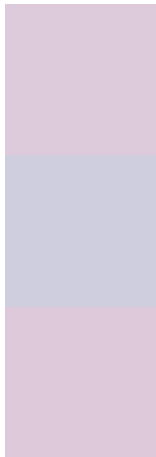
This preview shows how white text looks on a background with the XYZ color 63.7255, 62.7277,

75.7668.

# 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

63.7255, 62.7277, 75.7668

### Protanopia

60.9882, 62.6819, 77.9916

### Deuteranopia

63.7970, 62.4174, 75.7031



## Tritanopia

63.5942, 62.6752, 75.0754

# Trichromacy



## Original Color

63.7255, 62.7277, 75.7668

## Protanomaly

62.0338, 62.8801, 77.2742

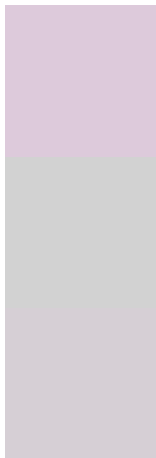
## Deuteranomaly

63.7970, 62.4174, 75.7031

## Tritanomaly

63.5942, 62.6752, 75.0754

# Monochromacy



## Original Color

63.7255, 62.7277, 75.7668

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

62.0546, 63.7259, 71.9805

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.7255, 62.7277, 75.7668 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(221, 202, 219) looks like.

```
.text, #text, p{  
    color:rgb(221, 202, 219)  
}
```

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(221, 202, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 202, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 63.7255, 62.7277, 75.7668 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(221, 202, 219) }
```



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

```
.border{ border-color:rgb(221, 202, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 202, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 202, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 202, 219);  
box-shadow:4px 4px 4px 4px rgb(221, 202,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.7255, 62.7277, 75.7668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 202, 219) }
```

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

```
.background{ background-color: rgb(221,  
202, 219) }
```

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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