

# Converting Colors

XYZ(63.4106, 62.2747, 76.7753)

Have a look what the booklet for  
XYZ(63.4106, 62.2747, 76.7753)  
contains.

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# Color

**XYZ(63.4530, 62.2094,  
77.0699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCC9DD
RGB	220, 201, 221
RGB Percent	86%, 79%, 87%
CMY	0.1372, 0.2117, 0.1333
CMYK	0.00, 0.09, 0.00, 0.13
HSL	297°, 23%, 83%
HSV	297°, 9%, 87%
XYZ	63.4530, 62.2094, 77.0699
YIQ	208.9610, 4.9040, 10.2480

# Conversions

## Conversions Part 2

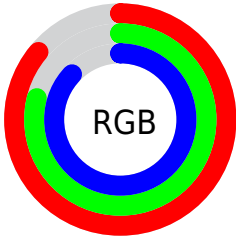
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 201, 221
Decimal	14469597
CIE Lab	83.02, 10.16, -7.51
CIE LCh	83, 12.635, 323.545
Yxy	62.2094, 0.3130, 0.3069
Android (android.graphics.Color)	4292659677 (0xFFDCC9DD)
YUV	208.9610, 5.9352, 9.6812
Hunter-Lab	78.8729, 5.5750, -2.7236

# Details

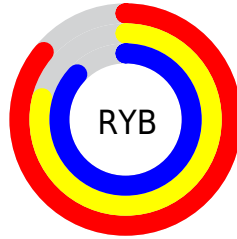
The XYZ color **63.4530, 62.2094, 77.0699** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.7585, 68.4881, 65.2787**, and the grayscale version is **60.5407, 63.6936, 69.3623**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.8337, 31.6199, 40.4491** is the 20% darker color. If you saturate the color by 10%, you get **58.3347, 52.4667, 75.4601**, and if you desaturate by 10%, it is **69.3184, 73.4410, 78.9296**.

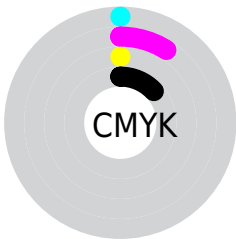
# Distribution



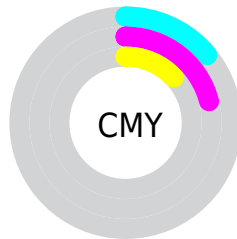
- Red (86%)
- Green (79%)
- Blue (87%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4530, 62.2094, 77.0699 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 63.4530, 62.2094, 77.0699 by changing the saturation by 10% instead.



63.4530, 62.2094,  
77.0699

63.4530, 62.2094,  
77.0699

426.8452,  
432.6945, 504.4463

46.4678, 45.2019,  
56.7983

108.9009,  
108.0281, 131.0121

32.8213, 31.6165,  
40.4351

138.0944,  
137.6081, 165.5197

22.1482, 21.0687,  
27.5616

172.0880,  
172.1478, 205.6099

14.0830, 13.1743,  
17.7593

211.2470,  
212.0315, 251.7010

8.2605, 7.5487,  
10.6096

255.9369,  
257.6436, 304.2117

4.3153, 3.8075,  
5.6941

306.5230,

1.8820, 1.5665,

309.3686, 363.5604

2.5942

363.3707,  
367.5907, 430.1658

■ 0.5664, 0.3348,  
0.8895

■ 0.0000, 0.0000,  
0.0000

■ 63.4530, 62.2094,  
77.0699

■ 63.4530, 62.2094,  
77.0699

■ 58.3347, 52.4667,  
75.4601

■ 69.3184, 73.4410,  
78.9296

■ 53.9264, 44.1418,  
74.0855

■ 75.9550, 86.2127,  
81.0450

■ 50.1963, 37.1699,  
72.9364

■ 79.3404, 92.4788,  
82.0761

■ 47.1078, 31.4780,  
72.0006

■ 79.6826, 92.6553,  
82.0921

44.6210, 26.9862,  
71.2646

80.0271, 92.8329,  
82.1082

42.6914, 23.6056,  
70.7138

80.3738, 93.0116,  
82.1244

41.2684, 21.2350,  
70.3312

80.7228, 93.1915,  
82.1408

40.2924, 19.7550,  
70.0970

81.0740, 93.3725,  
82.1572

39.6685, 18.9761,  
69.9795

81.4274, 93.5547,  
82.1737

# Harmonies

## Analogous

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



61.2507, 62.2094, 82.4784



63.4530, 62.2094, 77.0699



64.5008, 62.2094, 69.4403

# Triad

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



63.4530, 62.2094, 77.0699



59.7205, 62.2094, 53.8643



54.4438, 62.2094, 73.9221

# Complementary

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



63.4530, 62.2094, 77.0699



60.7585, 68.4881, 65.2787

# 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.



54.0625, 62.2094, 66.0588



63.4530, 62.2094, 77.0699



57.0553, 62.2094, 54.8632

# Square

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



63.4530, 62.2094, 77.0699



62.3035, 62.2094, 56.3455



55.0045, 62.2094, 59.1869



56.0626, 62.2094, 80.5654



# Rectangle

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



63.4530, 62.2094, 77.0699



64.3814, 62.2094, 64.2741



55.0045, 62.2094, 59.1869



54.1687, 62.2094, 71.3189

# Sweetspot

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



63.4548, 62.2121, 77.0712



92.5173, 95.1433, 108.0961



58.3401, 60.0387, 76.9213



19.6611, 20.0937, 23.0922



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.



63.4548, 62.2121, 77.0712



86.2313, 83.1258, 106.1077



62.6332, 61.9185, 71.1604



13.5467, 13.2400, 16.4937



23.0425, 11.0030, 40.6477



1.5130, 0.7232, 2.6343

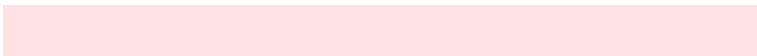


# Inverse Universe

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



61.3683, 61.4125, 64.4995



82.7480, 81.7919, 85.0818



61.5374, 68.7685, 70.7878



13.0823, 13.0620, 13.6946



17.3697, 8.9489, 1.0608



1.1348, 0.5836, 0.1187



# Previews

## White Background



This preview shows how the XYZ color 63.4530, 62.2094, 77.0699 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

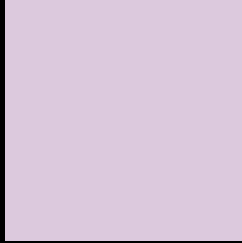
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.4530, 62.2094, 77.0699 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

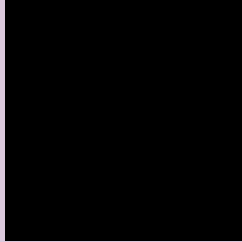
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.4530, 62.2094, 77.0699**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.4530, 62.2094, 77.0699.



This preview shows how white text looks on a background with the XYZ color 63.4530, 62.2094,



# 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

63.4530, 62.2094, 77.0699

### Protanopia

60.7395, 62.1663, 79.3190

### Deuteranopia

63.4530, 62.2094, 77.0699



## Tritanopia

62.8583, 62.3109, 74.3599

# Trichromacy



## Original Color

63.4530, 62.2094, 77.0699

## Protanomaly

61.7761, 62.3623, 78.5932

## Deuteranomaly

63.4530, 62.2094, 77.0699

## Tritanomaly

62.9888, 62.3631, 75.0471

# Monochromacy



## Original Color

63.4530, 62.2094, 77.0699

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

61.5221, 63.0928, 71.8864

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.4530, 62.2094, 77.0699 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(220, 201, 221) looks like.

```
.text, #text, p{  
    color:rgb(220, 201, 221)  
}
```

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(220, 201, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 201, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 63.4530, 62.2094, 77.0699 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(220, 201, 221) }
```



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

```
.border{ border-color:rgb(220, 201, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 201, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 201, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 201, 221);  
box-shadow:4px 4px 4px 4px rgb(220, 201,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.4530, 62.2094, 77.0699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 201, 221) }
```

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

```
.background{ background-color: rgb(220,  
201, 221) }
```

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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