

# Converting Colors

XYZ(63.1718, 62.4943, 71.6221)

Have a look what the booklet for  
XYZ(63.1718, 62.4943, 71.6221)  
contains.

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# Color

**XYZ(63.2550, 62.5748,  
71.6950)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DECAD5
RGB	222, 202, 213
RGB Percent	87%, 79%, 84%
CMY	0.1294, 0.2078, 0.1647
CMYK	0.00, 0.09, 0.04, 0.13
HSL	327°, 23%, 83%
HSV	327°, 9%, 87%
XYZ	63.2550, 62.5748, 71.6950
YIQ	209.2340, 8.3890, 7.6610

# Conversions

## Conversions Part 2

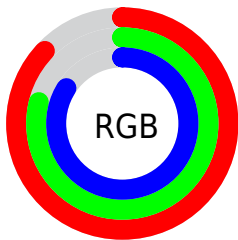
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 202, 213
Decimal	14600917
CIE Lab	83.22, 8.87, -2.93
CIE LCh	83, 9.345, 341.725
Yxy	62.5748, 0.3202, 0.3168
Android (android.graphics.Color)	4292790997 (0xFFDECAD5)
YUV	209.2340, 1.8566, 11.1958
Hunter-Lab	79.1042, 4.3035, 1.6363

# Details

The XYZ color **63.2550, 62.5748, 71.6950** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.2387, 69.5040, 71.7668**, and the grayscale version is **60.7430, 63.9064, 69.5941**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.6978, 31.8639, 36.7747** is the 20% darker color. If you saturate the color by 10%, you get **57.1872, 52.4060, 63.6070**, and if you desaturate by 10%, it is **70.1539, 74.2790, 80.4471**.

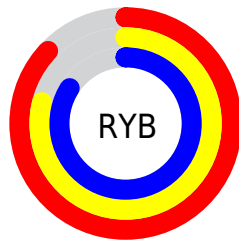
# Distribution



Red (87%)

Green (79%)

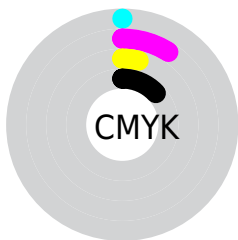
Blue (84%)



Red (87%)

Yellow (79%)

Blue (84%)

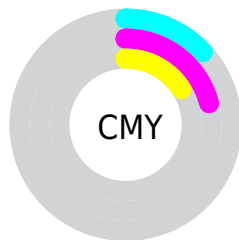


Cyan (0%)

Magenta (9%)

Yellow (4%)

Black (13%)



Cyan (13%)

Magenta (21%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2550, 62.5748, 71.6950 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 63.2550, 62.5748, 71.6950 by changing the saturation by 10% instead.



63.2550, 62.5748,  
71.6950

63.2550, 62.5748,  
71.6950

426.1393,  
434.0247, 485.4283

46.3070, 45.4973,  
52.4243

108.6171,  
108.5558, 123.3265

32.6938, 31.8493,  
36.9588

137.7618,  
138.2282, 156.5243

22.0501, 21.2464,  
24.8800

171.7028,  
172.8676, 195.2016

14.0105, 13.3043,  
15.7695

210.8054,  
212.8585, 239.7768

8.2097, 7.6384,  
9.2086

255.4350,  
258.5853, 290.6685

4.2824, 3.8644,  
4.7788

305.9570,

1.8631, 1.5980,

310.4323, 348.2953

2.0616

362.7366,  
368.7840, 413.0757

■ 0.5552, 0.3563,  
0.5928

■ 0.0000, 0.0000,  
0.0000

■ 63.2550, 62.5748,  
71.6950

■ 63.2550, 62.5748,  
71.6950

■ 57.1872, 52.4060,  
63.6070

■ 70.1539, 74.2790,  
80.4471

■ 51.9118, 43.7000,  
56.1610

■ 77.9098, 87.5707,  
89.8764

■ 47.3950, 36.3909,  
49.3396

■ 82.0589, 93.5195,  
98.5023

■ 43.5986, 30.4042,  
43.1227

■ 83.6094, 94.1397,  
106.6672

■ 40.4806, 25.6586,  
37.4887

■ 83.9346, 94.2698,  
108.3798

■ 37.9945, 22.0636,  
32.4144

■ 36.0876, 19.5162,  
27.8742

■ 34.6978, 17.8951,  
23.8391

■ 33.7282, 17.0095,  
20.2683

# Harmonies

## Analogous

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



62.1083, 62.5748, 76.8114



63.2550, 62.5748, 71.6950



63.3752, 62.5748, 65.8893

# Triad

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



63.2550, 62.5748, 71.6950



58.6867, 62.5748, 57.7747



56.6128, 62.5748, 75.8384

# Complementary

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



63.2550, 62.5748, 71.6950



62.2387, 69.5040, 71.7668

# 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.



55.7391, 62.5748, 70.4277



63.2550, 62.5748, 71.6950



56.9181, 62.5748, 60.1348

# Square

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



63.2550, 62.5748, 71.6950



60.7064, 62.5748, 58.0710



55.8496, 62.5748, 64.6916



58.2613, 62.5748, 79.2956



# Rectangle

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



63.2550, 62.5748, 71.6950



62.8538, 62.5748, 62.4288



55.8496, 62.5748, 64.6916



56.2205, 62.5748, 74.1752

# Sweetspot

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



63.2568, 62.5775, 71.6963



92.1084, 94.9960, 105.2091



61.1717, 61.3670, 77.7291



19.5506, 20.0539, 22.3110



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.



63.2568, 62.5775, 71.6963



84.7788, 82.6042, 95.7759



62.0265, 62.0854, 65.2177



14.0211, 13.8261, 15.8810



20.0395, 10.0828, 12.1398



1.4340, 0.7169, 1.0782



# Inverse Universe

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



63.2568, 62.5775, 71.6963



84.7788, 82.6042, 95.7759



63.5315, 70.0211, 78.5746



14.0211, 13.8261, 15.8810



20.0395, 10.0828, 12.1398

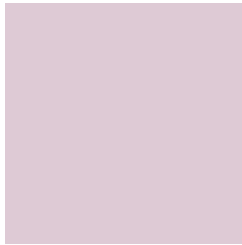


1.4340, 0.7169, 1.0782



# Previews

## White Background



This preview shows how the XYZ color 63.2550, 62.5748, 71.6950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

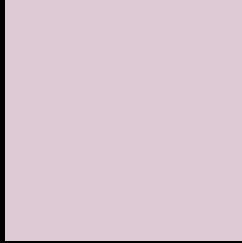
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.2550, 62.5748, 71.6950 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

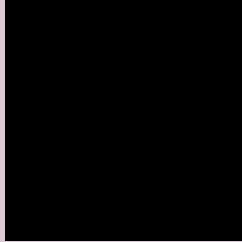
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.2550, 62.5748, 71.6950

## Background



This preview shows how black text looks on a background with the XYZ color 63.2550, 62.5748, 71.6950.



This preview shows how white text looks on a background with the XYZ color 63.2550, 62.5748,

71.6950.

# 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

63.2550, 62.5748, 71.6950

### Protanopia

60.6315, 62.6042, 73.1782

### Deuteranopia

63.9482, 62.5849, 71.6605



## Tritanopia

63.8425, 62.4710, 74.3389

# Trichromacy



## Original Color

63.2550, 62.5748, 71.6950

## Protanomaly

61.7005, 62.8138, 72.4906

## Deuteranomaly

63.6374, 62.4247, 71.6459

## Tritanomaly

63.7127, 62.4191, 73.6558

# Monochromacy



## Original Color

63.2550, 62.5748, 71.6950

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

61.4357, 63.0919, 69.9127

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.2550, 62.5748, 71.6950 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(222, 202, 213)` looks like.

```
.text, #text, p{  
    color:rgb(222, 202, 213)  
}
```

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(222, 202, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 202, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 63.2550, 62.5748, 71.6950 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(222, 202, 213) }
```



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

```
.border{ border-color:rgb(222, 202, 213) }
```

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

Here you see how a box with a 4 pixel rgb(222, 202, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 202, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 202, 213);  
box-shadow:4px 4px 4px 4px rgb(222, 202,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.2550, 62.5748, 71.6950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 202, 213) }
```

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

```
.background{ background-color: rgb(222,  
202, 213) }
```

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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