

# Converting Colors

XYZ(63.2089, 66.2741, 72.6134)

Have a look what the booklet for  
XYZ(63.2089, 66.2741, 72.6134)  
contains.

<b>XYZ(62.9943, 66.0372, 72.3771)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**XYZ(62.9943, 66.0372,  
72.3771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5D4D5
RGB	213, 212, 213
RGB Percent	84%, 83%, 84%
CMY	0.1647, 0.1686, 0.1647
CMYK	0.00, 0.00, 0.00, 0.16
HSL	300°, 1%, 83%
HSV	300°, 0%, 84%
XYZ	62.9943, 66.0372, 72.3771
YIQ	212.4130, 0.2750, 0.5230

# Conversions

## Conversions Part 2

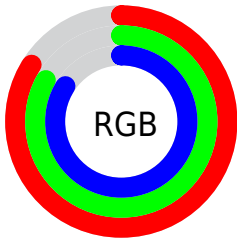
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	213, 212, 213
Decimal	14013653
CIE Lab	85.02, 0.53, -0.38
CIE LCh	85, 0.650, 324.052
Yxy	66.0372, 0.3128, 0.3279
Android (android.graphics.Color)	4292203733 (0xFFD5D4D5)
YUV	212.4130, 0.2894, 0.5148
Hunter-Lab	81.2633, -3.8397, 4.0777

# Details

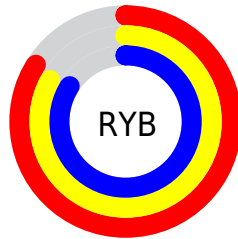
The XYZ color **62.9943, 66.0372, 72.3771** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.8318, 66.3408, 71.7842**, and the grayscale version is **62.8537, 66.1270, 72.0123**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.3291, 33.8517, 37.1779** is the 20% darker color. If you saturate the color by 10%, you get **58.0174, 56.0833, 70.7191**, and if you desaturate by 10%, it is **68.6774, 77.4016, 74.2721**.

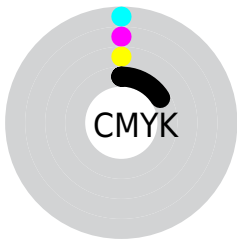
# Distribution



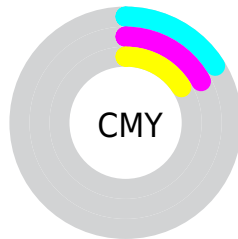
- Red (84%)
- Green (83%)
- Blue (84%)



- Red (84%)
- Yellow (83%)
- Blue (84%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)



- Cyan (16%)
- Magenta (17%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.9943, 66.0372, 72.3771 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 62.9943, 66.0372, 72.3771 by changing the saturation by 10% instead.



■ 62.9943, 66.0372,  
72.3771

■ 62.9943, 66.0372,  
72.3771

425.2088,  
446.5099, 487.8659

■ 46.0952, 48.3026,  
52.9781

108.2431,  
113.5397, 124.3052

■ 32.5259, 34.0666,  
37.3977

137.3236,  
144.0764, 157.6714

■ 21.9210, 22.9448,  
25.2173

171.1953,  
179.6493, 196.5303

■ 13.9151, 14.5527,  
16.0186

210.2235,  
220.6427, 241.3006

■ 8.1430, 8.5061,  
9.3828

254.7736,  
267.4411, 292.4008

■ 4.2391, 4.4205,  
4.8915

305.2109,

■ 1.8383, 1.9114,

320.4288, 350.2493

2.1261

361.9009,  
379.9903, 415.2649

■ 0.5406, 0.5552,  
0.6312

■ 0.0000, 0.0000,  
0.0000

■ 62.9943, 66.0372,  
72.3771

■ 62.9943, 66.0372,  
72.3771

■ 58.0174, 56.0833,  
70.7191

■ 68.6774, 77.4016,  
74.2721

■ 53.7137, 47.4767,  
69.2847

■ 75.0868, 90.2196,  
76.4084

■ 50.0560, 40.1623,  
68.0656

■ 75.2132, 90.4714,  
76.4504

■ 47.0132, 34.0776,  
67.0516

■ 75.2137, 90.4717,  
76.4504

44.5516, 29.1552,  
66.2312

75.2143, 90.4720,  
76.4504

42.6341, 25.3211,  
65.5922

75.2149, 90.4723,  
76.4504

41.2196, 22.4928,  
65.1208

75.2155, 90.4726,  
76.4505

40.2608, 20.5761,  
64.8014

75.2160, 90.4729,  
76.4505

39.7017, 19.4589,  
64.6152

75.2166, 90.4732,  
76.4505

# Harmonies

## Analogous

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



62.8811, 66.0372, 72.6412



62.9943, 66.0372, 72.3771



63.0465, 66.0372, 71.9868

# Triad

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



62.9943, 66.0372, 72.3771



62.7955, 66.0372, 71.1052



62.5099, 66.0372, 72.2320

# Complementary

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



62.9943, 66.0372, 72.3771



62.8318, 66.3408, 71.7842

# 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.



62.4871, 66.0372, 71.8199



62.9943, 66.0372, 72.3771



62.6518, 66.0372, 71.1704

# Square

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



62.9943, 66.0372, 72.3771



62.9316, 66.0372, 71.2533



62.5390, 66.0372, 71.4315



62.6014, 66.0372, 72.5572



# Rectangle

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



62.9943, 66.0372, 72.3771



63.0396, 66.0372, 71.7079



62.5390, 66.0372, 71.4315



62.4940, 66.0372, 72.0990

# Sweetspot

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



62.9962, 66.0400, 72.3785

95.0500, 100.0000, 108.9000



62.7122, 65.8998, 72.3664



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.9962, 66.0400, 72.3785



94.2418, 98.3837, 108.6306



62.9351, 66.0156, 72.0570



13.8916, 14.5097, 16.0060



24.0948, 11.5739, 39.4172



1.4533, 0.6981, 2.3775



# Inverse Universe

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



62.8701, 65.9896, 71.7145



93.8340, 98.2206, 106.4829



62.8927, 66.3651, 72.1047



13.8355, 14.4873, 15.7107



16.7620, 8.6411, 0.7849

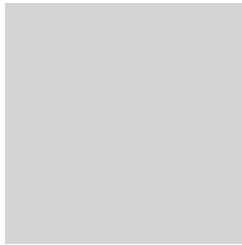


1.0110, 0.5212, 0.0474



# Previews

## White Background



This preview shows how the XYZ color 62.9943, 66.0372, 72.3771 looks on a white background.

## Color Contrast Check

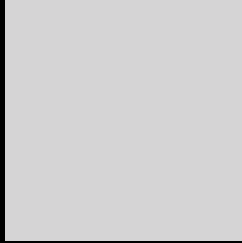
Large Text (above 18pt) WCAG AA × Fail

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 62.9943, 66.0372, 72.3771 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

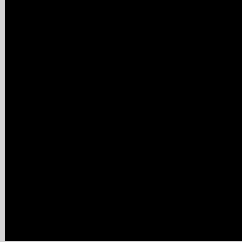
Any Text WCAG AAA ✓ Pass

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

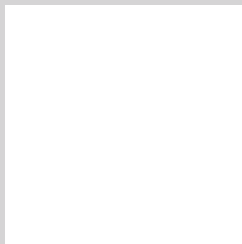


**XYZ 62.9943, 66.0372, 72.3771**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.9943, 66.0372, 72.3771.



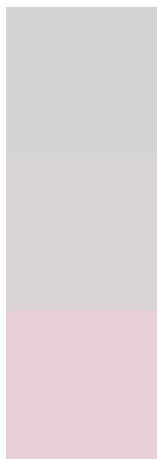
This preview shows how white text looks on a background with the XYZ color 62.9943, 66.0372,



# 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

62.9943, 66.0372, 72.3771

### Protanopia

63.6234, 65.9916, 72.3351

### Deuteranopia

67.4876, 66.1535, 72.8302



## Tritanopia

64.7984, 66.0312, 81.2816

# Trichromacy



## Original Color

62.9943, 66.0372, 72.3771

## Protanomaly

63.3288, 65.8397, 72.3213

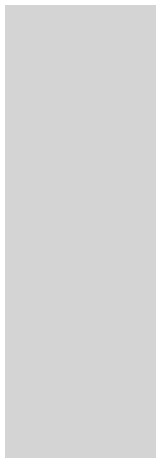
## Deuteranomaly

65.7448, 65.9743, 72.8875

## Tritanomaly

64.0770, 66.1051, 77.7890

# Monochromacy



## Original Color

62.9943, 66.0372, 72.3771

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

62.5785, 65.8375, 71.6970

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.9943, 66.0372, 72.3771 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(213, 212, 213) looks like.

```
.text, #text, p{  
    color:rgb(213, 212, 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(213, 212, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 212, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 62.9943, 66.0372, 72.3771 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(213, 212, 213) }
```

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

```
.border{ border-color:rgb(213, 212, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 212, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 212, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 212, 213);  
box-shadow:4px 4px 4px 4px rgb(213, 212,  
213) }
```



# Background

The CSS property to change the background color of an element to XYZ 62.9943, 66.0372, 72.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 212, 213) }
```

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

```
.background{ background-color: rgb(213,  
212, 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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