

# Converting Colors

XYZ(68.2809, 73.0595, 77.1841)

Have a look what the booklet for  
XYZ(68.2809, 73.0595, 77.1841)  
contains.

<b>XYZ(68.3873, 72.9499, 77.4942)</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> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(68.3873, 72.9499,  
77.4942)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBDFDB
RGB	219, 223, 219
RGB Percent	86%, 87%, 86%
CMY	0.1412, 0.1255, 0.1412
CMYK	0.02, 0.00, 0.02, 0.13
HSL	120°, 6%, 87%
HSV	120°, 2%, 87%
XYZ	68.3873, 72.9499, 77.4942
YIQ	221.3480, -1.1000, -2.0920

# Conversions

## Conversions Part 2

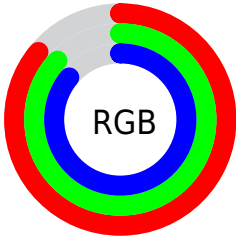
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	219, 223, 223
Decimal	14409691
CIE Lab	88.42, -2.06, 1.47
CIE LCh	88, 2.537, 144.452
Yxy	72.9499, 0.3125, 0.3334
Android (android.graphics.Color)	4292599771 (0xFFDBDFDB)
YUV	221.3480, -1.1576, -2.0592
Hunter-Lab	85.4107, -6.5460, 5.9929

# Details

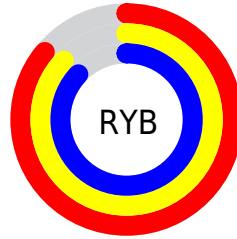
The XYZ color **68.3873, 72.9499, 77.4942** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.0849, 71.6806, 80.0103**, and the grayscale version is **68.9819, 72.5744, 79.0335**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0133, 38.5781, 40.6702** is the 20% darker color. If you saturate the color by 10%, you get **59.3807, 68.6257, 62.7607**, and if you desaturate by 10%, it is **78.6902, 77.9011, 94.3445**.

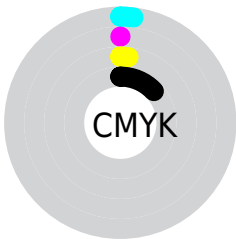
# Distribution



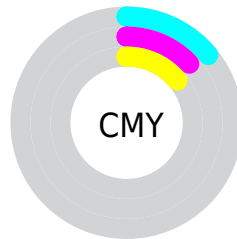
- Red (86%)
- Green (87%)
- Blue (86%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3873, 72.9499, 77.4942 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 68.3873, 72.9499, 77.4942 by changing the saturation by 10% instead.



■ 68.3873, 72.9499,  
77.4942

■ 68.3873, 72.9499,  
77.4942

444.2223,  
470.8412, 505.9297

■ 50.4877, 53.9350,  
57.1446

115.9449,  
123.4061, 131.6162

■ 36.0205, 38.5497,  
40.7112

146.3336,  
155.6162, 166.2257

■ 24.6202, 26.4096,  
27.7755

181.6161,  
192.9934, 206.4256

■ 15.9215, 17.1303,  
17.9189

222.1577,  
235.9222, 252.6344

■ 9.5591, 10.3274,  
10.7230

268.3237,  
284.7870, 305.2707

■ 5.1677, 5.6166,  
5.7690

320.4796,

■ 2.3817, 2.6134,

339.9722, 364.7530

2.6387

378.9907,  
401.8621, 431.4998

■ 0.8360, 0.9334,  
0.9123

■ 0.0000, 0.0000,  
0.0000

■ 68.3873, 72.9499,  
77.4942

■ 68.3873, 72.9499,  
77.4942

■ 59.3807, 68.6257,  
62.7607

■ 78.6902, 77.9011,  
94.3445

■ 51.6132, 64.8946,  
50.0556

■ 85.6791, 81.2582,  
105.7764

■ 45.0325, 61.7335,  
39.2918

■ 39.5802, 59.1145,  
30.3735

■ 35.1930, 57.0071,  
23.1973

■ 31.8012, 55.3778,  
17.6493

■ 29.3269, 54.1894,  
13.6022

■ 27.6809, 53.3987,  
10.9096

■ 26.7558, 52.9543,  
9.3963

# Harmonies

## Analogous

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



68.8526, 72.9499, 76.4130



68.3873, 72.9499, 77.4942



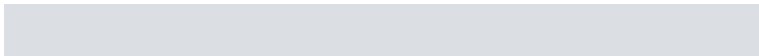
68.1765, 72.9499, 79.1059

# Triad

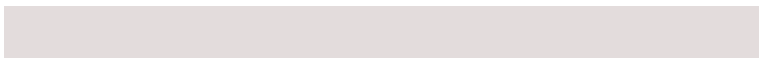
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.3873, 72.9499, 77.4942



69.2234, 72.9499, 82.8185



70.4093, 72.9499, 78.0485

# Complementary

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



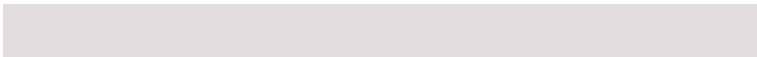
68.3873, 72.9499, 77.4942



69.0849, 71.6806, 80.0103

# Split Complementary

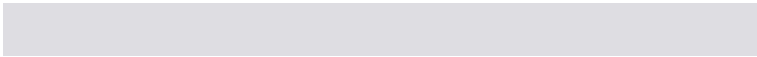
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.5100, 72.9499, 79.7550



68.3873, 72.9499, 77.4942



69.8230, 72.9499, 82.5254

# Square

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



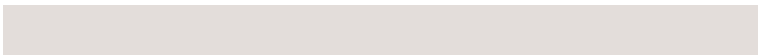
68.3873, 72.9499, 77.4942



68.6574, 72.9499, 82.1930



70.2948, 72.9499, 81.3979



70.0204, 72.9499, 76.7297



# Rectangle

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



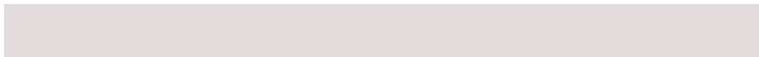
68.3873, 72.9499, 77.4942



68.2077, 72.9499, 80.2709



70.2948, 72.9499, 81.3979



70.4780, 72.9499, 78.5951

# Sweetspot

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



68.3894, 72.9530, 77.4958



93.7102, 99.3564, 106.7085



69.6085, 73.5815, 77.5528



20.0720, 21.2731, 22.8631



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.



68.3894, 72.9530, 77.4958



92.3882, 98.7214, 104.5461



68.6546, 73.0591, 78.8923



15.0533, 16.0695, 17.0476



15.5156, 31.0311, 5.1720

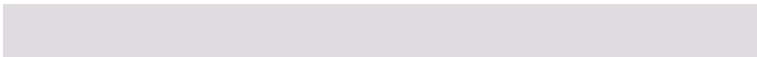


1.0755, 2.1509, 0.3585



# Inverse Universe

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



69.0849, 71.6806, 80.0103



93.4445, 96.7891, 108.3647



68.8166, 71.5733, 78.5970



15.2145, 15.7746, 17.6306



25.7243, 12.3567, 42.0754

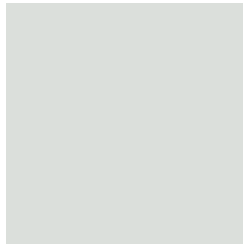


1.7831, 0.8565, 2.9165



# Previews

## White Background



This preview shows how the XYZ color 68.3873, 72.9499, 77.4942 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

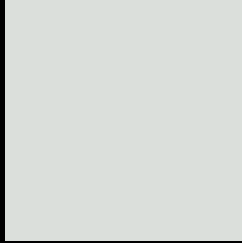
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.3873, 72.9499, 77.4942 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

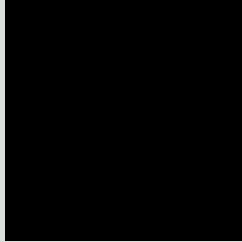
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

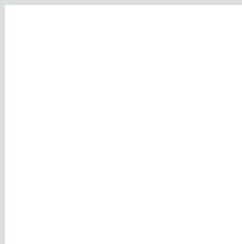
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 68.3873, 72.9499, 77.4942

## Background



This preview shows how black text looks on a background with the XYZ color 68.3873, 72.9499, 77.4942.



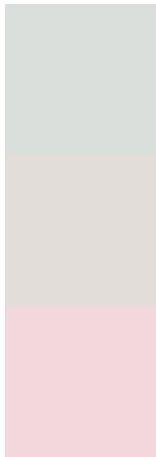
This preview shows how white text looks on a background with the XYZ color 68.3873, 72.9499,



# 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

68.3873, 72.9499, 77.4942

### Protanopia

70.1899, 73.1058, 76.7411

### Deuteranopia

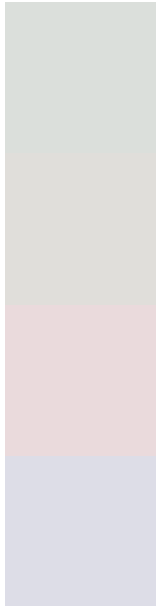
74.3137, 72.8760, 78.5563



## Tritanopia

71.1500, 72.8890, 91.2079

# Trichromacy



## Original Color

68.3873, 72.9499, 77.4942

## Protanomaly

69.5166, 73.1518, 76.7855

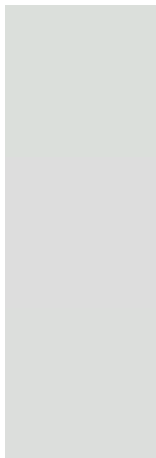
## Deuteranomaly

71.9214, 72.8025, 77.9718

## Tritanomaly

70.0990, 72.8546, 85.9690

# Monochromacy



## Original Color

68.3873, 72.9499, 77.4942

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

68.5547, 72.6255, 78.1150

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.3873, 72.9499, 77.4942 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(219, 223, 219) looks like.

```
.text, #text, p{  
    color:rgb(219, 223, 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(219, 223, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 223, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 68.3873, 72.9499, 77.4942 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(219, 223, 219) }
```



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

```
.border{ border-color:rgb(219, 223, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 223, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 223, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 223, 219);  
box-shadow:4px 4px 4px 4px rgb(219, 223,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.3873, 72.9499, 77.4942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 223, 219) }
```

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

```
.background{ background-color: rgb(219,  
223, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor