

# Converting Colors

XYZ(70.5428, 72.6967, 77.0888)

Have a look what the booklet for  
XYZ(70.5428, 72.6967, 77.0888)  
contains.

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# Color

**XYZ(70.6925, 72.9589,  
77.3744)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5DCDB
RGB	229, 220, 219
RGB Percent	90%, 86%, 86%
CMY	0.1020, 0.1372, 0.1412
CMYK	0.00, 0.04, 0.04, 0.10
HSL	6°, 16%, 88%
HSV	6°, 4%, 90%
XYZ	70.6925, 72.9589, 77.3744
YIQ	222.5770, 5.6850, 1.5970

# Conversions

## Conversions Part 2

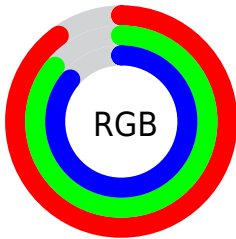
Format	Color
R <sub>Y</sub> B	229, 220, 219
Decimal	15064283
CIE Lab	88.43, 2.90, 1.57
CIE LCh	88, 3.296, 28.524
Yxy	72.9589, 0.3198, 0.3301
Android (android.graphics.Color)	4293254363 (0xFFE5DCDB)
YUV	222.5770, -1.7635, 5.6330
Hunter-Lab	85.4160, -1.7467, 6.0831

# Details

The XYZ color **70.6925, 72.9589, 77.3744** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.0996, 76.2029, 85.0910**, and the grayscale version is **69.8503, 73.4879, 80.0283**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6115, 38.5893, 40.5881** is the 20% darker color. If you saturate the color by 10%, you get **62.8055, 61.6816, 60.8806**, and if you desaturate by 10%, it is **79.6647, 85.7410, 96.2779**.

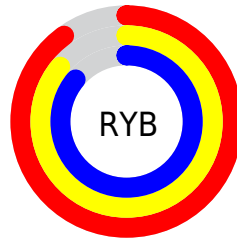
# Distribution



Red (90%)

Green (86%)

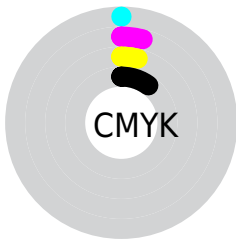
Blue (86%)



Red (90%)

Yellow (86%)

Blue (86%)

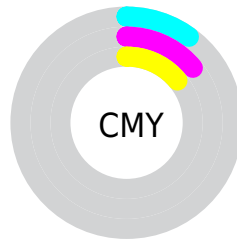


Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (10%)



Cyan (10%)

Magenta (14%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6925, 72.9589, 77.3744 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 70.6925, 72.9589, 77.3744 by changing the saturation by 10% instead.



70.6925, 72.9589,  
77.3744

70.6925, 72.9589,  
77.3744

452.2063,  
470.8724, 505.5111

52.3729, 53.9424,  
57.0468

119.2167,  
123.4189, 131.4457

37.5279, 38.5556,  
40.6332

150.1520,  
155.6311, 166.0265

25.7920, 26.4142,  
27.7151

186.0232,  
193.0106, 206.1954

16.8000, 17.1337,  
17.8738

227.1958,  
235.9419, 252.3710

10.1864, 10.3299,  
10.6909

274.0351,  
284.8093, 304.9718

5.5859, 5.6182,  
5.7479

326.9063,

2.6332, 2.6144,

339.9973, 364.4165

2.6261

386.1750,  
401.8902, 431.1234

■ 0.9629, 0.9339,  
0.9059

■ 0.0000, 0.0000,  
0.0000

■ 70.6925, 72.9589,  
77.3744

■ 70.6925, 72.9589,  
77.3744

■ 62.8055, 61.6816,  
60.8806

■ 79.6647, 85.7410,  
96.2779

■ 55.9566, 51.8446,  
46.6951

■ 86.1235, 95.3982,  
108.4822

■ 50.1043, 43.3928,  
34.7163

■ 45.2019, 36.2638,  
24.8332

■ 41.1991, 30.3906,  
16.9250

■ 38.0408, 25.7002,  
10.8589

■ 35.6658, 22.1120,  
6.4853

■ 34.0045, 19.5356,  
3.6316

■ 32.9748, 17.8655,  
2.0878

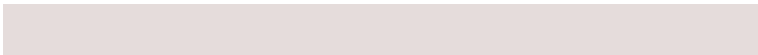
# Harmonies

## Analogous

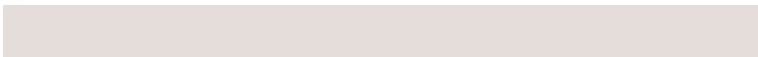
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.8795, 72.9589, 79.5523



70.6925, 72.9589, 77.3744



70.1438, 72.9589, 75.7763

# Triad

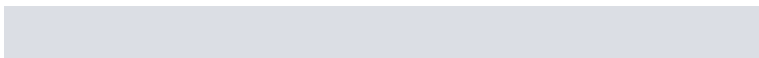
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.6925, 72.9589, 77.3744



68.0540, 72.9589, 77.1833



69.3060, 72.9589, 83.8821

# Complementary

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



70.6925, 72.9589, 77.3744



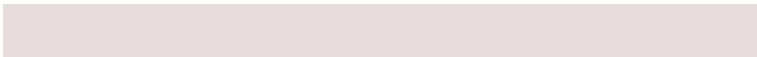
71.0996, 76.2029, 85.0910

# 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.



68.5528, 72.9589, 83.2196



70.6925, 72.9589, 77.3744



67.8333, 72.9589, 79.3275

# Square

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



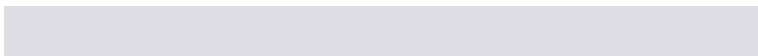
70.6925, 72.9589, 77.3744



68.6203, 72.9589, 75.6675



68.0152, 72.9589, 81.5417

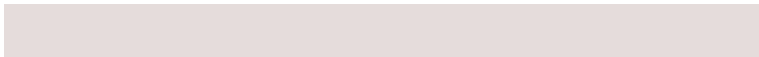


70.0753, 72.9589, 83.3356



# Rectangle

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



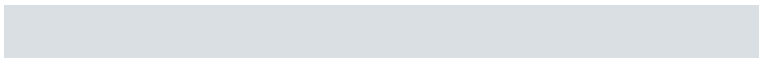
70.6925, 72.9589, 77.3744



69.6488, 72.9589, 75.2400



68.0152, 72.9589, 81.5417



69.0426, 72.9589, 83.7931

# Sweetspot

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



70.6946, 72.9621, 77.3760



93.9146, 98.3819, 106.5096



71.6492, 72.9236, 83.6991



20.1136, 21.0748, 22.8226



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

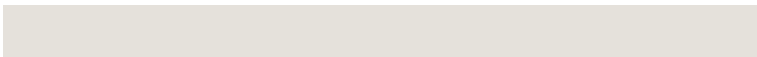
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6946, 72.9621, 77.3760



89.5141, 92.1048, 97.2615



72.0255, 75.6240, 77.8196



15.1584, 15.5506, 16.3523



18.6901, 9.9543, 0.9363



1.4208, 0.8150, 0.0824



# Inverse Universe

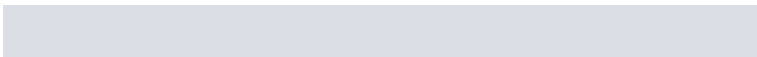
The Inverse Universe completely reimagines the original color for something new.



71.0996, 76.2029, 85.0910



90.1068, 96.8475, 108.5520



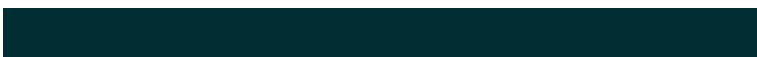
69.7450, 73.4937, 84.6395



15.2720, 16.4596, 18.5164



20.7576, 28.5773, 46.8051

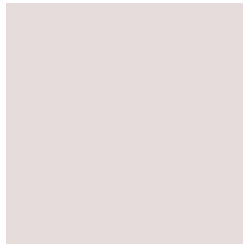


1.5698, 2.1836, 3.4707



# Previews

## White Background



This preview shows how the XYZ color 70.6925, 72.9589, 77.3744 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 70.6925, 72.9589, 77.3744 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

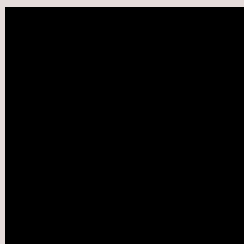
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

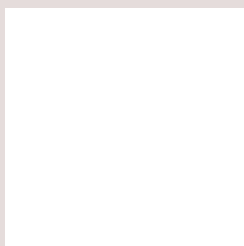
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.6925, 72.9589, 77.3744**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.6925, 72.9589, 77.3744.



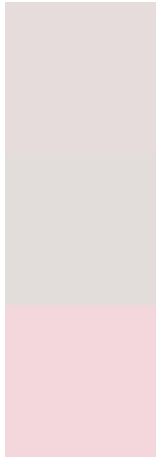
This preview shows how white text looks on a background with the XYZ color 70.6925, 72.9589,



# 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

70.6925, 72.9589, 77.3744

### Protanopia

70.0067, 72.9961, 77.4177

### Deuteranopia

74.5269, 73.0013, 77.8728



## Tritanopia

73.0218, 73.1299, 88.8641

# Trichromacy



## Original Color

70.6925, 72.9589, 77.3744

## Protanomaly

70.3212, 73.1583, 77.4325

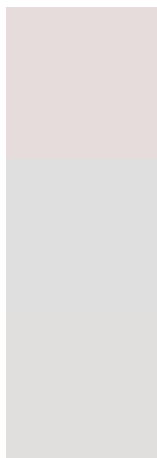
## Deuteranomaly

73.3277, 73.1437, 77.9635

## Tritanomaly

72.1075, 73.1432, 84.4463

# Monochromacy



## Original Color

70.6925, 72.9589, 77.3744

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

70.3574, 73.5240, 79.5906

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.6925, 72.9589, 77.3744 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(229, 220, 219) looks like.

```
.text, #text, p{  
    color:rgb(229, 220, 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(229, 220, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 220, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 70.6925, 72.9589, 77.3744 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(229, 220, 219) }
```



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

```
.border{ border-color:rgb(229, 220, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 220, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 220, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 220, 219);  
box-shadow:4px 4px 4px 4px rgb(229, 220,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.6925, 72.9589, 77.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 220, 219) }
```

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

```
.background{ background-color: rgb(229,  
220, 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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