

# Converting Colors

XYZ(68.6323, 71.0584, 79.5649)

Have a look what the booklet for  
XYZ(68.6323, 71.0584, 79.5649)  
contains.

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# Color

**XYZ(68.8221, 71.1585,  
79.9197)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DFDADF
RGB	223, 218, 223
RGB Percent	87%, 85%, 87%
CMY	0.1255, 0.1451, 0.1255
CMYK	0.00, 0.02, 0.00, 0.13
HSL	300°, 7%, 86%
HSV	300°, 2%, 87%
XYZ	68.8221, 71.1585, 79.9197
YIQ	220.0650, 1.3750, 2.6150

# Conversions

## Conversions Part 2

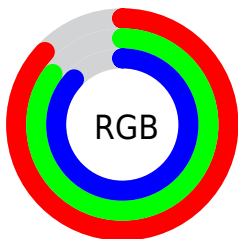
Format	Color
R <sub>Y</sub> B	223, 218, 223
Decimal	14670559
CIE Lab	87.56, 2.60, -1.86
CIE LCh	88, 3.193, 324.477
Yxy	71.1585, 0.3130, 0.3236
Android (android.graphics.Color)	4292860639 (0xFFDFDADF)
YUV	220.0650, 1.4470, 2.5740
Hunter-Lab	84.3555, -1.9915, 2.8766

# Details

The XYZ color **68.8221, 71.1585, 79.9197** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.9587, 72.7447, 76.7926**, and the grayscale version is **68.0642, 71.6088, 77.9820**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3135, 37.3464, 42.3404** is the 20% darker color. If you saturate the color by 10%, you get **63.4247, 60.3629, 78.1215**, and if you desaturate by 10%, it is **75.0016, 83.5163, 81.9804**.

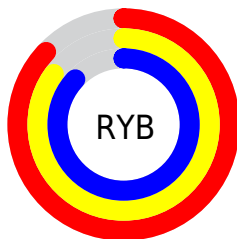
# Distribution



Red (87%)

Green (85%)

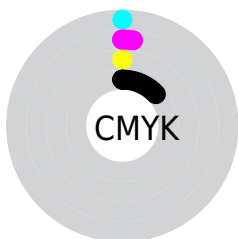
Blue (87%)



Red (87%)

Yellow (85%)

Blue (87%)

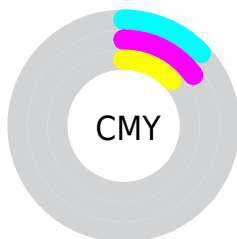


Cyan (0%)

Magenta (2%)

Yellow (0%)

Black (13%)



Cyan (13%)

Magenta (15%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8221, 71.1585, 79.9197 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 68.8221, 71.1585, 79.9197 by changing the saturation by 10% instead.



■ 68.8221, 71.1585,  
79.9197

■ 68.8221, 71.1585,  
79.9197

445.7345,  
464.6073, 514.3618

■ 50.8430, 52.4716,  
59.1265

116.5629,  
120.8594, 135.0632

■ 36.3042, 37.3811,  
42.2943

147.0553,  
152.6421, 170.2506

■ 24.8404, 25.5027,  
29.0045

182.4494,  
189.5589, 211.0731

■ 16.0863, 16.4520,  
18.8386

223.1107,  
231.9941, 257.9493

■ 9.6765, 9.8445,  
11.3781

269.4045,  
280.3322, 311.2978

■ 5.2456, 5.2960,  
6.2044

321.6962,

■ 2.4283, 2.4220,

334.9575, 371.5370

2.8990

380.3510,  
396.2544, 439.0855

■ 0.8592, 0.8372,  
1.0433

■ 0.0000, 0.0000,  
0.0000

■ 68.8221, 71.1585,  
79.9197

■ 68.8221, 71.1585,  
79.9197

■ 63.4247, 60.3629,  
78.1215

■ 75.0016, 83.5163,  
81.9804

■ 58.7724, 51.0585,  
76.5708

■ 79.5117, 92.5362,  
83.4837

■ 54.8343, 43.1827,  
75.2581

■ 79.5118, 92.5363,  
83.4837

■ 51.5752, 36.6648,  
74.1718

■ 79.5120, 92.5363,  
83.4837

48.9567, 31.4279,  
73.2990

79.5122, 92.5364,  
83.4837

46.9366, 27.3879,  
72.6257

79.5124, 92.5365,  
83.4837

45.4676, 24.4502,  
72.1361

79.5125, 92.5366,  
83.4837

44.4955, 22.5063,  
71.8121

79.5127, 92.5367,  
83.4837

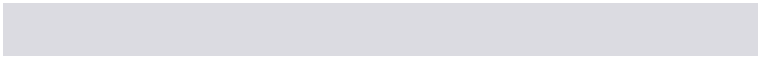
43.9550, 21.4256,  
71.6320

79.5129, 92.5368,  
83.4837

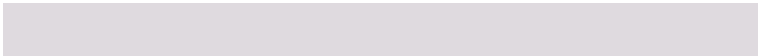
# Harmonies

## Analogous

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



68.2371, 71.1585, 81.3243



68.8221, 71.1585, 79.9197



69.0889, 71.1585, 77.8802

# Triad

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



68.8221, 71.1585, 79.9197



67.7738, 71.1585, 73.4156



66.3217, 71.1585, 79.2144

# Complementary

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



68.8221, 71.1585, 79.9197



67.9587, 72.7447, 76.7926

# 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.



66.1997, 71.1585, 77.0802



68.8221, 71.1585, 79.9197



67.0345, 71.1585, 73.7579

# Square

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



68.8221, 71.1585, 79.9197



68.4808, 71.1585, 74.1457



66.4597, 71.1585, 75.0895



66.7943, 71.1585, 80.9118

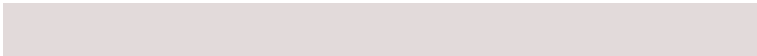


# Rectangle

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



68.8221, 71.1585, 79.9197



69.0490, 71.1585, 76.4451



66.4597, 71.1585, 75.0895



66.2385, 71.1585, 78.5232

# Sweetspot

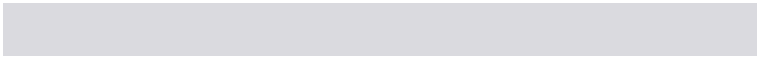
The Sweet Spot groups the original color and five complimentary colors.



68.8241, 71.1616, 79.9212



94.2419, 98.3838, 108.6306



67.3289, 70.4228, 79.8575



20.1802, 21.0752, 23.2543



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.



68.8241, 71.1616, 79.9212



92.6578, 95.2158, 108.1026



68.5008, 71.0322, 78.2185



14.9756, 15.2967, 17.5509



25.7237, 12.3564, 42.0776



1.7830, 0.8565, 2.9166

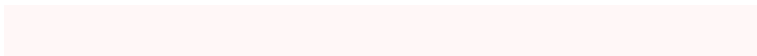


# Inverse Universe

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



68.1603, 70.8960, 76.4253



91.4505, 94.7328, 101.7446



68.2771, 72.8720, 78.4694



14.7313, 15.1989, 16.2644



17.8932, 9.2243, 0.8375

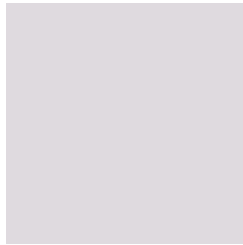


1.2403, 0.6394, 0.0581



# Previews

## White Background



This preview shows how the XYZ color 68.8221, 71.1585, 79.9197 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

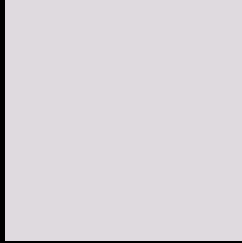
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.8221, 71.1585, 79.9197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

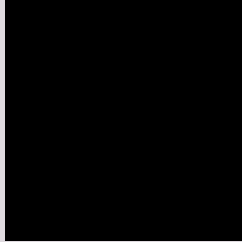
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

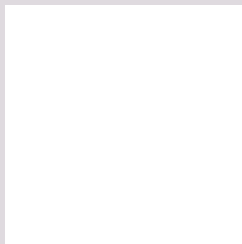
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.8221, 71.1585, 79.9197**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.8221, 71.1585, 79.9197.



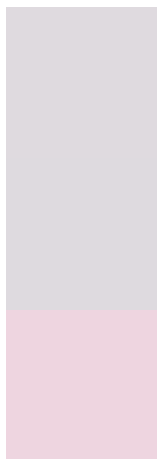
This preview shows how white text looks on a background with the XYZ color 68.8221, 71.1585,



# 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

68.8221, 71.1585, 79.9197

### Protanopia

68.5149, 71.0001, 79.9053

### Deuteranopia

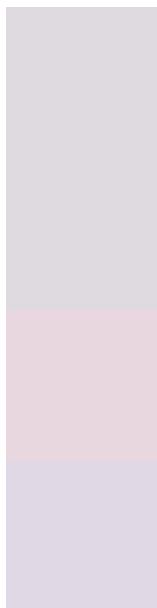
72.5087, 71.1475, 80.4322



## Tritanopia

70.3152, 71.0025, 87.0896

# Trichromacy



## Original Color

68.8221, 71.1585, 79.9197

## Protanomaly

68.5149, 71.0001, 79.9053

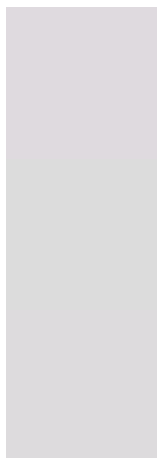
## Deuteranomaly

71.3593, 71.3063, 80.5235

## Tritanomaly

69.6962, 71.1301, 84.1848

# Monochromacy



## Original Color

68.8221, 71.1585, 79.9197

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

68.2015, 71.2556, 78.5657

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.8221, 71.1585, 79.9197 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(223, 218, 223)` looks like.

```
.text, #text, p{  
    color:rgb(223, 218, 223)  
}
```

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(223, 218, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 218, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 68.8221, 71.1585, 79.9197 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(223, 218, 223) }
```



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

```
.border{ border-color:rgb(223, 218, 223) }
```

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

Here you see how a box with a 4 pixel rgb(223, 218, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 218, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 218, 223);  
box-shadow:4px 4px 4px 4px rgb(223, 218,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.8221, 71.1585, 79.9197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 218, 223) }
```

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

```
.background{ background-color: rgb(223,  
218, 223) }
```

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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