

Converting Colors

XYZ(68.9105, 72.0700, 83.5444)

Have a look what the booklet for
XYZ(68.9105, 72.0700, 83.5444)
contains.

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Color

**XYZ(68.8102, 71.8479,
83.6401)**

Conversions

Conversions Part 1

Format	Color
Hex	DBDCE4
RGB	219, 220, 228
RGB Percent	86%, 86%, 89%
CMY	0.1412, 0.1372, 0.1059
CMYK	0.04, 0.04, 0.00, 0.11
HSL	233°, 14%, 88%
HSV	233°, 4%, 89%
XYZ	68.8102, 71.8479, 83.6401
YIQ	220.6130, -3.1640, 2.2760

Conversions

Conversions Part 2

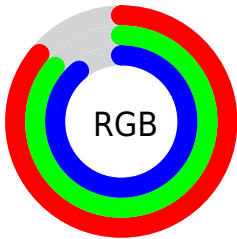
Format	Color
R _Y B	219, 220, 228
Decimal	14408932
CIE Lab	87.90, 1.14, -4.04
CIE LCh	88, 4.194, 285.712
Yxy	71.8479, 0.3068, 0.3203
Android (android.graphics.Color)	4292599012 (0xFFDBDCE4)
YUV	220.6130, 3.6418, -1.4146
Hunter-Lab	84.7631, -3.4303, 0.8297

Details

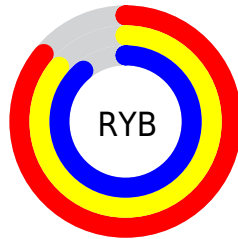
The XYZ color **68.8102, 71.8479, 83.6401** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.2503, 76.5458, 77.9858**, and the grayscale version is **68.4346, 71.9985, 78.4064**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3078, 37.8199, 44.9215** is the 20% darker color. If you saturate the color by 10%, you get **57.4170, 58.5559, 81.6761**, and if you desaturate by 10%, it is **81.7913, 86.9189, 85.8660**.

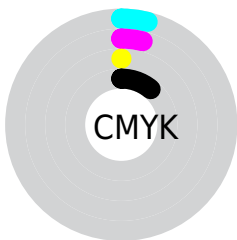
Distribution



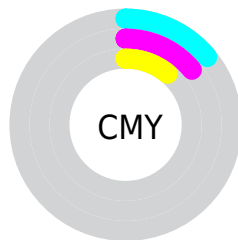
- Red (86%)
- Green (86%)
- Blue (89%)



- Red (86%)
- Yellow (86%)
- Blue (89%)



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (14%)
- Magenta (14%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8102, 71.8479, 83.6401 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 68.8102, 71.8479, 83.6401 by changing the saturation by 10% instead.

■ 68.8102, 71.8479,
83.6401

■ 68.8102, 71.8479,
83.6401

445.6931,
467.0120, 527.1441

■ 50.8332, 53.0344,
62.1747

116.5460,
121.8403, 140.3289

■ 36.2964, 37.8303,
44.7371

147.0355,
153.7879, 176.3893

■ 24.8344, 25.8510,
30.9090

182.4266,
190.8825, 218.1517

■ 16.0818, 16.7122,
20.2717

223.0847,
233.5083, 266.0348

■ 9.6733, 10.0295,
12.4066

269.3750,
282.0498, 320.4571

■ 5.2435, 5.4185,
6.8954

321.6629,

■ 2.4270, 2.4949,

336.8913, 381.8370

3.3193

380.3138,
398.4172, 450.5932

■ 0.8586, 0.8741,
1.2599

■ 0.0000, 0.0000,
0.0286

■ 68.8102, 71.8479,
83.6401

■ 68.8102, 71.8479,
83.6401

■ 57.4170, 58.5559,
81.6761

■ 81.7913, 86.9189,
85.8660

■ 47.5447, 46.9684,
79.9598

■ 91.0038, 98.3815,
87.5930

■ 39.1304, 37.0188,
78.4828

■ 32.1048, 28.6330,
77.2345

■ 26.3927, 21.7310,
76.2033

■ 21.9116, 16.2257,
75.3769

■ 18.5699, 12.0209,
74.7414

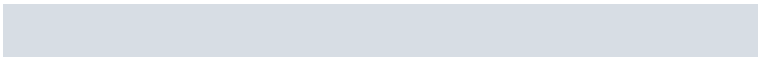
■ 16.2626, 9.0078,
74.2814

■ 14.8649, 7.0594,
73.9790

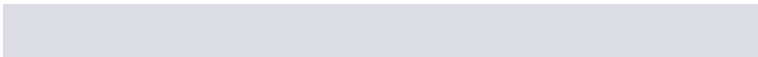
Harmonies

Analogous

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



67.8168, 71.8479, 83.6771



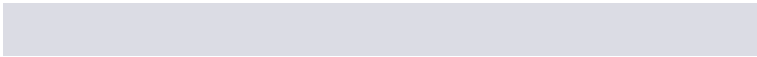
68.8102, 71.8479, 83.6401



69.6720, 71.8479, 82.1303

Triad

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



68.8102, 71.8479, 83.6401



69.6378, 71.8479, 74.3621



66.4467, 71.8479, 76.8818

Complementary

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



68.8102, 71.8479, 83.6401



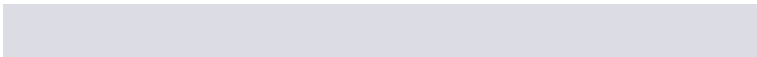
72.2503, 76.5458, 77.9858

Split Complementary

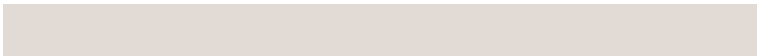
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.9249, 71.8479, 74.4555



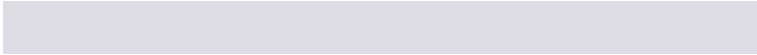
68.8102, 71.8479, 83.6401



68.7639, 71.8479, 73.0249

Square

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



68.8102, 71.8479, 83.6401



70.1530, 71.8479, 76.7514



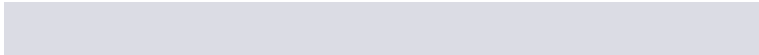
67.7710, 71.8479, 73.0587



66.4588, 71.8479, 79.7277

Rectangle

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



68.8102, 71.8479, 83.6401



70.0532, 71.8479, 80.5123



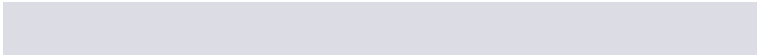
67.7710, 71.8479, 73.0587



66.5552, 71.8479, 75.9916

Sweetspot

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



68.8123, 71.8510, 83.6417



93.3995, 98.0825, 108.6169



70.8161, 76.0913, 83.5926



20.0087, 21.0139, 23.2515



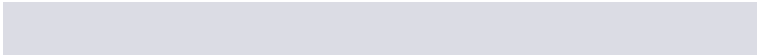
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



68.8123, 71.8510, 83.6417



87.0058, 90.6455, 107.5184



69.5985, 71.8664, 83.6032



14.6776, 15.2708, 18.3183



8.3346, 3.7314, 42.6641



0.6593, 0.3625, 3.1672

Inverse Universe

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



70.2463, 72.3257, 77.9716



89.3459, 91.4249, 98.2646



71.4419, 76.5377, 78.0268



15.1263, 15.4208, 16.5438



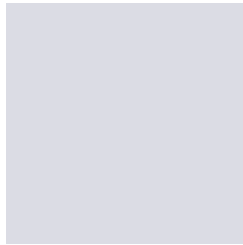
18.6005, 9.5744, 1.5250



1.3964, 0.7163, 0.2280

Previews

White Background



This preview shows how the XYZ color 68.8102, 71.8479, 83.6401 looks on a white background.

Color Contrast Check

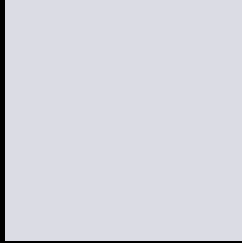
Large Text (above 18pt) WCAG AA × Fail

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 68.8102, 71.8479, 83.6401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

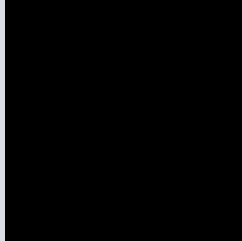
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

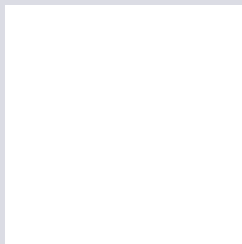
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8102, 71.8479, 83.6401

Background



This preview shows how black text looks on a background with the XYZ color 68.8102, 71.8479, 83.6401.

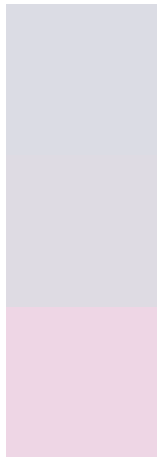


This preview shows how white text looks on a background with the XYZ color 68.8102, 71.8479,

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

68.8102, 71.8479, 83.6401

Protanopia

69.3208, 71.7387, 82.8664

Deuteranopia

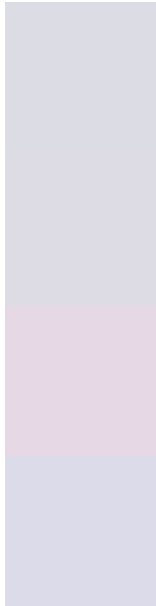
73.4493, 71.9274, 84.1409



Tritanopia

69.9870, 71.9348, 89.5530

Trichromacy



Original Color

68.8102, 71.8479, 83.6401

Protanomaly

69.0154, 71.5812, 82.8521

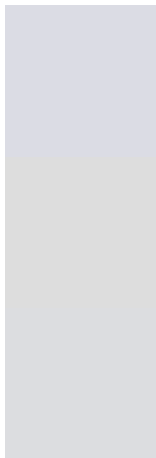
Deuteranomaly

71.6537, 71.7578, 84.2028

Tritanomaly

69.5547, 71.7619, 87.2763

Monochromacy



Original Color

68.8102, 71.8479, 83.6401

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.8262, 72.3104, 80.8508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8102, 71.8479, 83.6401 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, 220, 228) looks like.

```
.text, #text, p{  
    color:rgb(219, 220, 228)  
}
```

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, 220, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 220, 228) }
```

Border

The CSS property to change the border of an element to XYZ 68.8102, 71.8479, 83.6401 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, 220, 228) }
```


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

```
.border{ border-color:rgb(219, 220, 228) }
```

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

Here you see how a box with a 4 pixel rgb(219, 220, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 220, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 220, 228);  
box-shadow:4px 4px 4px 4px rgb(219, 220,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8102, 71.8479, 83.6401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 220, 228) }
```

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

```
.background{ background-color: rgb(219,  
220, 228) }
```

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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