

Converting Colors

XYZ(67.9873, 70.5387, 82.5115)

Have a look what the booklet for
XYZ(67.9873, 70.5387, 82.5115)
contains.

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Color

**XYZ(68.1499, 70.7489,
82.7371)**

Conversions

Conversions Part 1

Format	Color
Hex	DBDAE3
RGB	219, 218, 227
RGB Percent	86%, 85%, 89%
CMY	0.1412, 0.1451, 0.1098
CMYK	0.04, 0.04, 0.00, 0.11
HSL	247°, 14%, 87%
HSV	247°, 4%, 89%
XYZ	68.1499, 70.7489, 82.7371
YIQ	219.3250, -2.2930, 3.0110

Conversions

Conversions Part 2

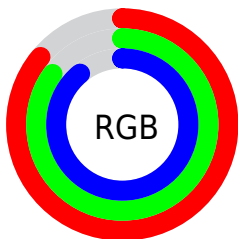
Format	Color
RYB	219, 218, 227
Decimal	14408419
CIELab	87.36, 1.99, -4.29
CIELCh	87, 4.733, 294.867
Yxy	70.7489, 0.3075, 0.3192
Android (android.graphics.Color)	4292598499 (0xFFDBDAE3)
YUV	219.3250, 3.7838, -0.2850
Hunter-Lab	84.1124, -2.5716, 0.5581

Details

The XYZ color **68.1499, 70.7489, 82.7371** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.4907, 76.1708, 77.2677**, and the grayscale version is **67.5349, 71.0520, 77.3756**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8534, 37.0655, 44.2944** is the 20% darker color. If you saturate the color by 10%, you get **56.9530, 56.8300, 80.6417**, and if you desaturate by 10%, it is **80.8935, 86.6658, 85.1388**.

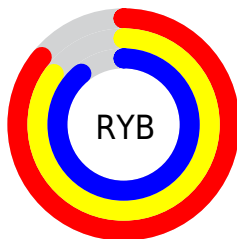
Distribution



Red (86%)

Green (85%)

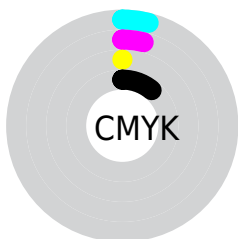
Blue (89%)



Red (86%)

Yellow (85%)

Blue (89%)

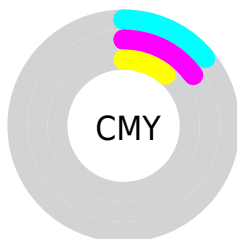


Cyan (4%)

Magenta (4%)

Yellow (0%)

Black (11%)



Cyan (14%)

Magenta (15%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1499, 70.7489, 82.7371 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 68.1499, 70.7489, 82.7371 by changing the saturation by 10% instead.

■ 68.1499, 70.7489,
82.7371

■ 68.1499, 70.7489,
82.7371

443.3953,
463.1752, 524.0580

■ 50.2938, 52.1373,
61.4339

115.6073,
120.2761, 139.0531

■ 35.8657, 37.1145,
44.1426

145.9393,
151.9605, 174.9031

■ 24.5001, 25.2962,
30.4446

181.1607,
188.7713, 216.4390

■ 15.8317, 16.2979,
19.9214

221.6368,
231.0930, 264.0796

■ 9.4953, 9.7352,
12.1544

267.7329,
279.3097, 318.2432

■ 5.1253, 5.2237,
6.7251

319.8145,

■ 2.3565, 2.3791,

333.8061, 379.3484

3.2150

378.2469,
394.9665, 447.8138

■ 0.8233, 0.8151,
1.2054

■ 0.0000, 0.0000,
0.0000

■ 68.1499, 70.7489,
82.7371

■ 68.1499, 70.7489,
82.7371

■ 56.9530, 56.8300,
80.6417

■ 80.8935, 86.6658,
85.1388

■ 47.2380, 44.8215,
78.8359

■ 90.8653, 98.3261,
86.8639

■ 38.9443, 34.6425,
77.3082

■ 32.0049, 26.2029,
76.0450

■ 26.3473, 19.4051,
75.0311

■ 21.8924, 14.1415,
74.2499

■ 18.5518, 10.2917,
73.6829

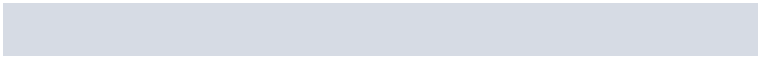
■ 16.2252, 7.7174,
73.3086

■ 14.7931, 6.2517,
73.1012

Harmonies

Analogous

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



67.0532, 70.7489, 83.3094



68.1499, 70.7489, 82.7371



69.0126, 70.7489, 80.6197

Triad

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



68.1499, 70.7489, 82.7371



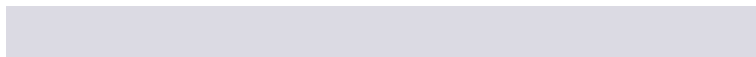
68.4855, 70.7489, 72.1225



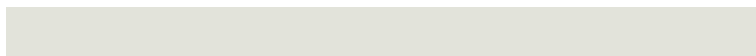
65.1328, 70.7489, 76.4858

Complementary

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



68.1499, 70.7489, 82.7371



71.4907, 76.1708, 77.2677

Split Complementary

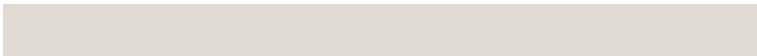
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.5073, 70.7489, 73.5553



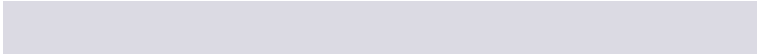
68.1499, 70.7489, 82.7371



67.4366, 70.7489, 71.0810

Square

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



68.1499, 70.7489, 82.7371



69.2078, 70.7489, 74.4814



66.3476, 70.7489, 71.5983



65.3191, 70.7489, 79.6433

Rectangle

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



68.1499, 70.7489, 82.7371



69.3347, 70.7489, 78.6469



66.3476, 70.7489, 71.5983



65.1972, 70.7489, 75.4424

Sweetspot

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



68.1519, 70.7519, 82.7386



93.4125, 97.9562, 108.5918



70.0044, 74.9005, 83.4418



20.0114, 20.9882, 23.2464



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.



68.1519, 70.7519, 82.7386



87.0676, 90.0459, 107.3994



69.4938, 71.4437, 82.8014



14.6894, 15.1564, 18.2956



8.3700, 3.3808, 42.5946



0.6682, 0.2755, 3.1499

Inverse Universe

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



70.4800, 71.9679, 82.1318



90.8901, 92.0426, 106.3960



70.1280, 75.4683, 77.2039



15.4223, 15.5392, 18.1024



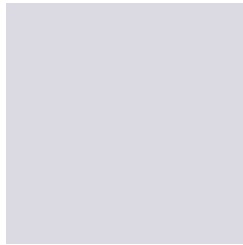
24.7098, 12.0182, 33.6966



1.8457, 0.8960, 2.5940

Previews

White Background



This preview shows how the XYZ color 68.1499, 70.7489, 82.7371 looks on a white background.

Color Contrast Check

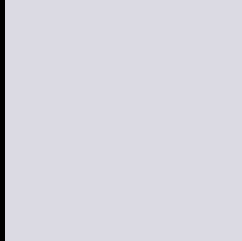
Large Text (above 18pt) WCAG AA × Fail

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 68.1499, 70.7489, 82.7371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

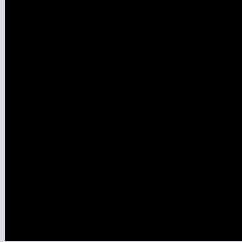
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

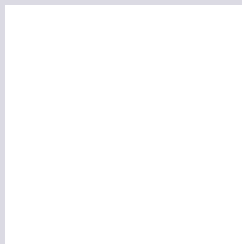
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1499, 70.7489, 82.7371

Background



This preview shows how black text looks on a background with the XYZ color 68.1499, 70.7489, 82.7371.

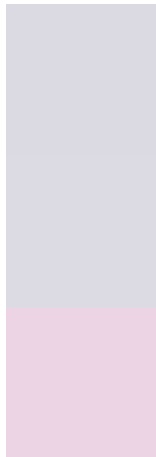


This preview shows how white text looks on a background with the XYZ color 68.1499, 70.7489,

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

68.1499, 70.7489, 82.7371

Protanopia

68.4517, 70.9045, 82.7512

Deuteranopia

72.1391, 70.5213, 83.2086



Tritanopia

69.1793, 70.7819, 87.8580

Trichromacy



Original Color

68.1499, 70.7489, 82.7371

Protanomaly

68.4517, 70.9045, 82.7512

Deuteranomaly

70.6833, 70.5176, 83.2846

Tritanomaly

68.7519, 70.6109, 85.6070

Monochromacy



Original Color

68.1499, 70.7489, 82.7371

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.7298, 70.9970, 79.2413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1499, 70.7489, 82.7371 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, 218, 227) looks like.

```
.text, #text, p{  
    color:rgb(219, 218, 227)  
}
```

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, 218, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 218, 227) }
```

Border

The CSS property to change the border of an element to XYZ 68.1499, 70.7489, 82.7371 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, 218, 227) }
```


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

```
.border{ border-color:rgb(219, 218, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 218, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 218, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 218, 227);  
box-shadow:4px 4px 4px 4px rgb(219, 218,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1499, 70.7489, 82.7371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 218, 227) }
```

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

```
.background{ background-color: rgb(219,  
218, 227) }
```

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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