

Converting Colors

XYZ(67.8153, 72.0653, 85.7747)

Have a look what the booklet for
XYZ(67.8153, 72.0653, 85.7747)
contains.

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Color

**XYZ(67.9857, 72.1582,
85.9460)**

Conversions

Conversions Part 1

Format	Color
Hex	D5DEE7
RGB	213, 222, 231
RGB Percent	84%, 87%, 91%
CMY	0.1647, 0.1294, 0.0941
CMYK	0.08, 0.04, 0.00, 0.09
HSL	210°, 27%, 87%
HSV	210°, 8%, 91%
XYZ	67.9857, 72.1582, 85.9460
YIQ	220.3350, -8.2530, 0.8910

Conversions

Conversions Part 2

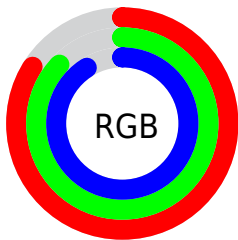
Format	Color
R _Y B	213, 219, 231
Decimal	14016231
CIE Lab	88.04, -1.31, -5.45
CIE LCh	88, 5.603, 256.496
Yxy	72.1582, 0.3007, 0.3192
Android (android.graphics.Color)	4292206311 (0xFFD5DEE7)
YUV	220.3350, 5.2578, -6.4328
Hunter-Lab	84.9460, -5.7947, -0.5258

Details

The XYZ color **67.9857, 72.1582, 85.9460** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.0869, 74.0352, 73.4957**, and the grayscale version is **68.2318, 71.7851, 78.1740**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6571, 38.0017, 46.0132** is the 20% darker color. If you saturate the color by 10%, you get **58.7948, 63.0243, 84.6685**, and if you desaturate by 10%, it is **78.3452, 82.2103, 87.3414**.

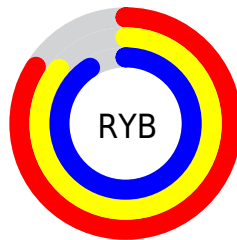
Distribution



Red (84%)

Green (87%)

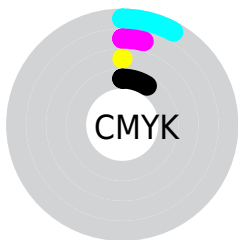
Blue (91%)



Red (84%)

Yellow (86%)

Blue (91%)

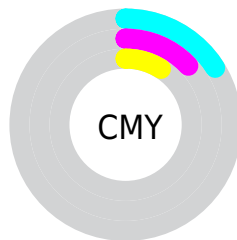


Cyan (8%)

Magenta (4%)

Yellow (0%)

Black (9%)



Cyan (16%)

Magenta (13%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9857, 72.1582, 85.9460 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 67.9857, 72.1582, 85.9460 by changing the saturation by 10% instead.

■ 67.9857, 72.1582,
85.9460

■ 67.9857, 72.1582,
85.9460

442.8229,
468.0921, 534.9791

■ 50.1597, 53.2879,
64.0687

115.3737,
122.2814, 143.5800

■ 35.7587, 38.0327,
46.2598

145.6665,
154.3032, 180.1738

■ 24.4171, 26.0080,
32.1007

180.8455,
191.4775, 222.5101

■ 15.7697, 16.8297,
21.1730

221.2762,
234.1888, 271.0075

■ 9.4512, 10.1131,
13.0580

267.3240,
282.8216, 326.0846

■ 5.0961, 5.4740,
7.3373

319.3541,

■ 2.3391, 2.5280,

337.7601, 388.1599

3.5923

377.7319,
399.3888, 457.6519

■ 0.8145, 0.8906,
1.4045

■ 0.0000, 0.0000,
0.1452

■ 67.9857, 72.1582,
85.9460

■ 67.9857, 72.1582,
85.9460

■ 58.7948, 63.0243,
84.6685

■ 78.3452, 82.2103,
87.3414

■ 50.7219, 54.7703,
83.5008

■ 88.3458, 92.3931,
88.7798

■ 43.7218, 47.3686,
82.4411

■ 91.4240, 98.5496,
89.8058

■ 37.7437, 40.7863,
81.4857

■ 32.7321, 34.9881,
80.6306

■ 28.6260, 29.9353,
79.8718

■ 25.3564, 25.5850,
79.2044

■ 22.8428, 21.8882,
78.6233

■ 20.9770, 18.7808,
78.1219

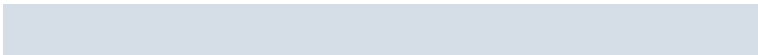
Harmonies

Analogous

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



66.8298, 72.1582, 84.0297



67.9857, 72.1582, 85.9460



69.3167, 72.1582, 85.8404

Triad

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



67.9857, 72.1582, 85.9460



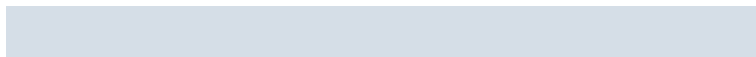
71.0786, 72.1582, 76.4961



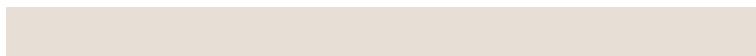
66.7365, 72.1582, 73.6082

Complementary

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



67.9857, 72.1582, 85.9460



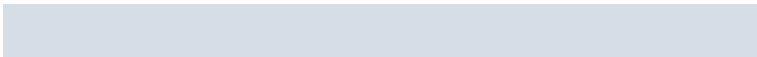
71.0869, 74.0352, 73.4957

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.



67.8569, 72.1582, 71.7184



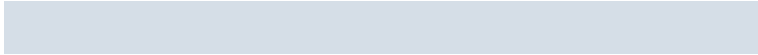
67.9857, 72.1582, 85.9460



70.3691, 72.1582, 73.3483

Square

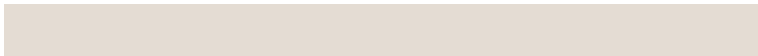
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.9857, 72.1582, 85.9460



71.1142, 72.1582, 80.2997



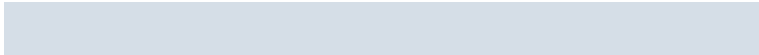
69.1862, 72.1582, 71.6248



66.1149, 72.1582, 76.8614

Rectangle

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



67.9857, 72.1582, 85.9460



70.1245, 72.1582, 84.6361



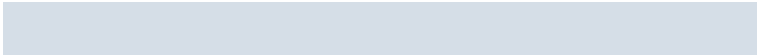
69.1862, 72.1582, 71.6248



67.0666, 72.1582, 72.7972

Sweetspot

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



67.9878, 72.1612, 85.9476



92.3907, 97.4299, 108.5441



69.1624, 76.5571, 80.0296



19.8033, 20.8810, 23.2366



0.0000, 0.0000, 0.0000



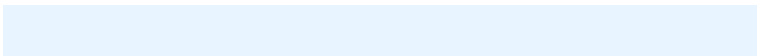
20.3446, 21.4041, 23.3091

Same Dimension

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



67.9878, 72.1612, 85.9476



83.5541, 88.8025, 107.3446



65.7355, 67.6567, 85.1968



14.1754, 15.0723, 18.3064



11.6820, 10.4262, 43.7799



0.9562, 0.9562, 3.2661

Inverse Universe

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



69.9357, 69.8529, 78.9077



86.3684, 85.5045, 97.1654



73.4584, 78.7783, 74.2862



14.6761, 14.4876, 16.4950



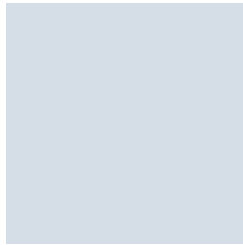
20.2901, 10.2502, 10.4224



1.5463, 0.7762, 1.0171

Previews

White Background



This preview shows how the XYZ color 67.9857, 72.1582, 85.9460 looks on a white background.

Color Contrast Check

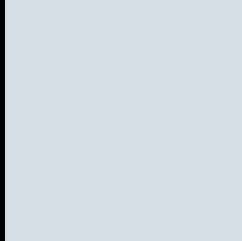
Large Text (above 18pt) WCAG AA × Fail

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 67.9857, 72.1582, 85.9460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

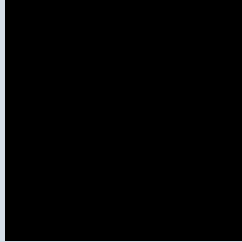
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

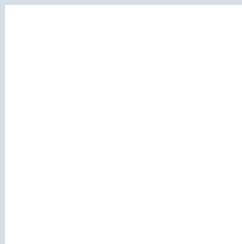
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.9857, 72.1582, 85.9460

Background



This preview shows how black text looks on a background with the XYZ color 67.9857, 72.1582, 85.9460.

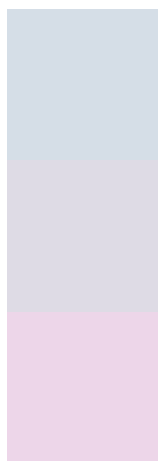


This preview shows how white text looks on a background with the XYZ color 67.9857, 72.1582,

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

67.9857, 72.1582, 85.9460

Protanopia

69.5986, 71.8498, 84.3289

Deuteranopia

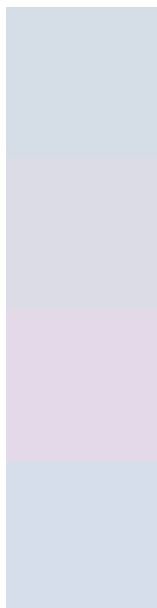
73.6796, 71.9809, 87.1012



Tritanopia

69.0206, 72.1821, 91.1837

Trichromacy



Original Color

67.9857, 72.1582, 85.9460

Protanomaly

69.0895, 71.9596, 85.1111

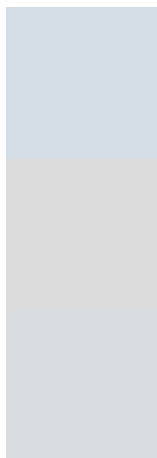
Deuteranomaly

71.3733, 71.9459, 86.4691

Tritanomaly

68.5834, 72.0072, 88.8813

Monochromacy



Original Color

67.9857, 72.1582, 85.9460

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.9263, 71.8464, 80.8087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9857, 72.1582, 85.9460 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(213, 222, 231) looks like.

```
.text, #text, p{  
    color:rgb(213, 222, 231)  
}
```

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(213, 222, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 222, 231) }
```

Border

The CSS property to change the border of an element to XYZ 67.9857, 72.1582, 85.9460 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(213, 222, 231) }
```


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

```
.border{ border-color:rgb(213, 222, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 222, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 222, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 222, 231);  
box-shadow:4px 4px 4px 4px rgb(213, 222,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9857, 72.1582, 85.9460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 222, 231) }
```

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

```
.background{ background-color: rgb(213,  
222, 231) }
```

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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