

Converting Colors

XYZ(68.5034, 72.3817, 85.2496)

Have a look what the booklet for
XYZ(68.5034, 72.3817, 85.2496)
contains.

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Color

**XYZ(68.4285, 72.4028,
85.2315)**

Conversions

Conversions Part 1

Format	Color
Hex	D7DEE6
RGB	215, 222, 230
RGB Percent	84%, 87%, 90%
CMY	0.1569, 0.1294, 0.0980
CMYK	0.07, 0.03, 0.00, 0.10
HSL	212°, 23%, 87%
HSV	212°, 7%, 90%
XYZ	68.4285, 72.4028, 85.2315
YIQ	220.8190, -6.7400, 1.0040

Conversions

Conversions Part 2

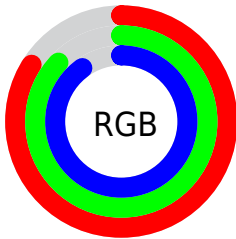
Format	Color
R_{YB}	215, 220, 230
Decimal	14147302
CIE Lab	88.16, -0.85, -4.73
CIE LCh	88, 4.807, 259.866
Yxy	72.4028, 0.3027, 0.3203
Android (android.graphics.Color)	4292337382 (0xFFD7DEE6)
YUV	220.8190, 4.5262, -5.1033
Hunter-Lab	85.0898, -5.3591, 0.1742

Details

The XYZ color **68.4285, 72.4028, 85.2315** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.2867, 74.5039, 74.9145**, and the grayscale version is **68.5747, 72.1459, 78.5669**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0538, 38.2062, 46.0317** is the 20% darker color. If you saturate the color by 10%, you get **59.0052, 62.8867, 83.8925**, and if you desaturate by 10%, it is **79.0424, 82.8882, 86.6971**.

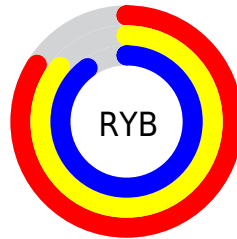
Distribution



Red (84%)

Green (87%)

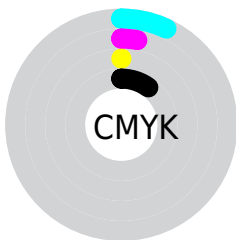
Blue (90%)



Red (84%)

Yellow (86%)

Blue (90%)

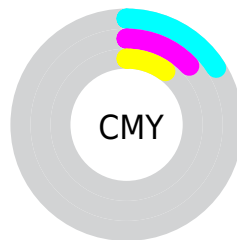


Cyan (7%)

Magenta (3%)

Yellow (0%)

Black (10%)



Cyan (16%)

Magenta (13%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4285, 72.4028, 85.2315 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 68.4285, 72.4028, 85.2315 by changing the saturation by 10% instead.

■ 68.4285, 72.4028,
85.2315

■ 68.4285, 72.4028,
85.2315

444.3657,
468.9424, 532.5583

■ 50.5214, 53.4878,
63.4814

116.0035,
122.6290, 142.5736

■ 36.0473, 38.1923,
45.7873

146.4020,
154.7090, 179.0027

■ 24.6410, 26.1320,
31.7305

181.6951,
191.9462, 221.1619

■ 15.9371, 16.9224,
20.8927

222.2481,
234.7248, 269.4698

■ 9.5702, 10.1792,
12.8551

268.4262,
283.4294, 324.3448

■ 5.1750, 5.5179,
7.1993

320.5950,

■ 2.3861, 2.5542,

338.4442, 386.2055

3.5067

379.1197,
400.1538, 455.4705

■ 0.8382, 0.9037,
1.3588

■ 0.0000, 0.0000,
0.1093

■ 68.4285, 72.4028,
85.2315

■ 68.4285, 72.4028,
85.2315

■ 59.0052, 62.8867,
83.8925

■ 79.0424, 82.8882,
86.6971

■ 50.7216, 54.3005,
82.6718

■ 88.6396, 93.2063,
88.1828

■ 43.5327, 46.6150,
81.5672

■ 91.2831, 98.4933,
89.0640

■ 37.3876, 39.7961,
80.5749

■ 32.2311, 33.8073,
79.6907

■ 28.0025, 28.6084,
78.9101

■ 24.6335, 24.1556,
78.2282

■ 22.0453, 20.3986,
77.6395

■ 20.1393, 17.2770,
77.1374

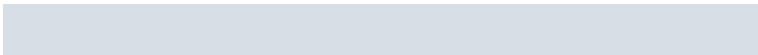
Harmonies

Analogous

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



67.4017, 72.4028, 83.7738



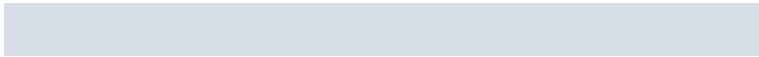
68.4285, 72.4028, 85.2315



69.5705, 72.4028, 84.9391

Triad

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



68.4285, 72.4028, 85.2315



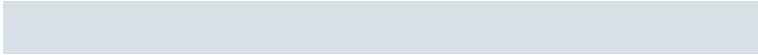
70.9165, 72.4028, 76.7027



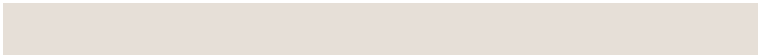
67.1406, 72.4028, 74.8240

Complementary

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



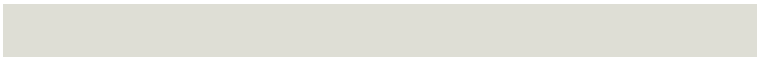
68.4285, 72.4028, 85.2315



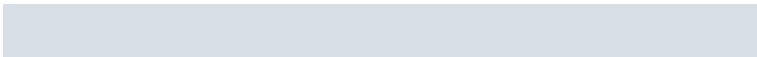
71.2867, 74.5039, 74.9145

Split Complementary

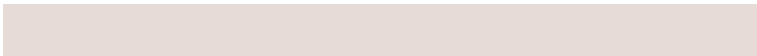
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.0683, 72.4028, 73.0294



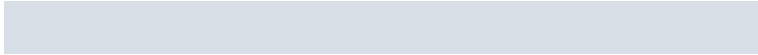
68.4285, 72.4028, 85.2315



70.2513, 72.4028, 74.0930

Square

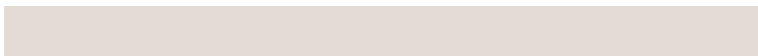
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.4285, 72.4028, 85.2315



71.0156, 72.4028, 79.9534



69.2063, 72.4028, 72.7656



66.6637, 72.4028, 77.7257

Rectangle

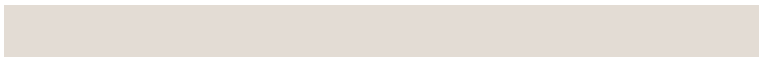
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.4285, 72.4028, 85.2315



70.2433, 72.4028, 83.7936



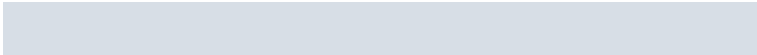
69.2063, 72.4028, 72.7656



67.4096, 72.4028, 74.0747

Sweetspot

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



68.4306, 72.4059, 85.2331



92.3373, 97.3231, 108.5263



69.6078, 76.3561, 80.7060



19.7924, 20.8593, 23.2330



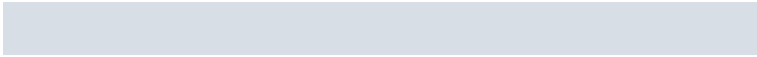
0.0000, 0.0000, 0.0000



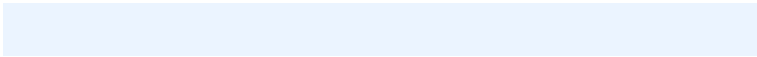
20.3446, 21.4041, 23.3091

Same Dimension

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



68.4306, 72.4059, 85.2331



84.5673, 89.5907, 107.4433



66.6823, 68.8001, 84.6293



14.1348, 14.9910, 18.2929



11.2057, 9.4736, 43.6211



0.9203, 0.8846, 3.2542

Inverse Universe

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



70.1200, 70.6991, 79.0614



87.1820, 86.9871, 97.8826



73.1166, 78.2828, 75.5475



14.6556, 14.4794, 16.3869



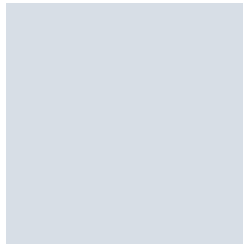
20.0496, 10.1541, 9.1564



1.5282, 0.7690, 0.9218

Previews

White Background



This preview shows how the XYZ color 68.4285, 72.4028, 85.2315 looks on a white background.

Color Contrast Check

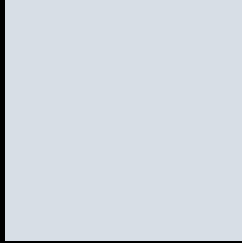
Large Text (above 18pt) WCAG AA × Fail

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 68.4285, 72.4028, 85.2315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

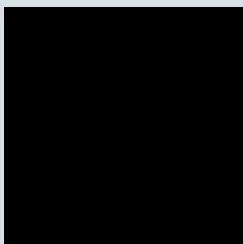
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

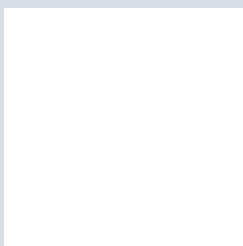
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.4285, 72.4028, 85.2315

Background



This preview shows how black text looks on a background with the XYZ color 68.4285, 72.4028, 85.2315.

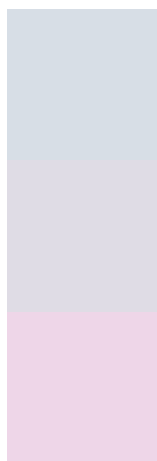


This preview shows how white text looks on a background with the XYZ color 68.4285, 72.4028,

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

68.4285, 72.4028, 85.2315

Protanopia

70.1675, 72.5315, 84.4305

Deuteranopia

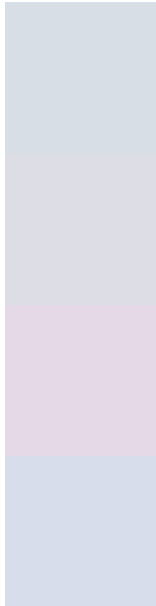
73.8720, 72.0965, 86.3665



Tritanopia

69.6080, 72.4849, 91.2112

Trichromacy



Original Color

68.4285, 72.4028, 85.2315

Protanomaly

69.5145, 72.5857, 84.4754

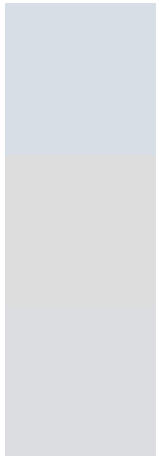
Deuteranomaly

71.8698, 72.2182, 85.7529

Tritanomaly

69.1707, 72.3100, 88.9088

Monochromacy



Original Color

68.4285, 72.4028, 85.2315

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.5244, 72.1548, 80.8367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4285, 72.4028, 85.2315 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(215, 222, 230) looks like.

```
.text, #text, p{  
    color:rgb(215, 222, 230)  
}
```

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(215, 222, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 222, 230) }
```

Border

The CSS property to change the border of an element to XYZ 68.4285, 72.4028, 85.2315 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(215, 222, 230) }
```


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

```
.border{ border-color:rgb(215, 222, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 222, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 222, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 222, 230);  
box-shadow:4px 4px 4px 4px rgb(215, 222,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4285, 72.4028, 85.2315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 222, 230) }
```

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

```
.background{ background-color: rgb(215,  
222, 230) }
```

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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