

Converting Colors

XYZ(67.8520, 71.1694, 83.5603)

Have a look what the booklet for
XYZ(67.8520, 71.1694, 83.5603)
contains.

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Color

**XYZ(67.9157, 71.3868,
83.5983)**

Conversions

Conversions Part 1

Format	Color
Hex	D8DCE4
RGB	216, 220, 228
RGB Percent	85%, 86%, 89%
CMY	0.1529, 0.1372, 0.1059
CMYK	0.05, 0.04, 0.00, 0.11
HSL	220°, 18%, 87%
HSV	220°, 5%, 89%
XYZ	67.9157, 71.3868, 83.5983
YIQ	219.7160, -4.9520, 1.6400

Conversions

Conversions Part 2

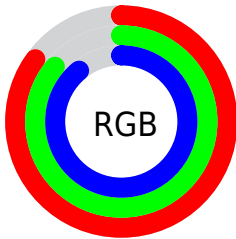
Format	Color
R _Y B	216, 219, 228
Decimal	14212324
CIE Lab	87.67, 0.14, -4.39
CIE LCh	88, 4.393, 271.852
Yxy	71.3868, 0.3047, 0.3203
Android (android.graphics.Color)	4292402404 (0xFFD8DCE4)
YUV	219.7160, 4.0840, -3.2589
Hunter-Lab	84.4907, -4.3761, 0.4797

Details

The XYZ color **67.9157, 71.3868, 83.5983** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.0454, 74.7624, 75.6530**, and the grayscale version is **67.8062, 71.3374, 77.6865**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6959, 37.5045, 44.8929** is the 20% darker color. If you saturate the color by 10%, you get **57.8339, 60.5382, 82.0368**, and if you desaturate by 10%, it is **79.2987, 83.4482, 85.3275**.

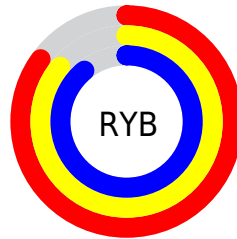
Distribution



Red (85%)

Green (86%)

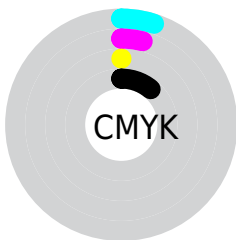
Blue (89%)



Red (85%)

Yellow (86%)

Blue (89%)

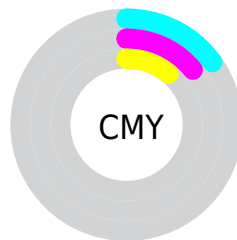


Cyan (5%)

Magenta (4%)

Yellow (0%)

Black (11%)



Cyan (15%)

Magenta (14%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9157, 71.3868, 83.5983 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 67.9157, 71.3868, 83.5983 by changing the saturation by 10% instead.

■ 67.9157, 71.3868,
83.5983

■ 67.9157, 71.3868,
83.5983

442.5787,
465.4045, 527.0015

■ 50.1026, 52.6579,
62.1404

115.2741,
121.1843, 140.2698

■ 35.7130, 37.5298,
44.7096

145.5501,
153.0217, 176.3205

■ 24.3817, 25.6179,
30.8875

180.7111,
189.9975, 218.0725

■ 15.7433, 16.5380,
20.2554

221.1225,
232.4959, 265.9444

■ 9.4324, 9.9057,
12.3949

267.1496,
280.9014, 320.3547

■ 5.0836, 5.3365,
6.8875

319.1577,

■ 2.3317, 2.4460,

335.5984, 381.7220

3.3144

377.5123,
396.9713, 450.4647

■ 0.8108, 0.8494,
1.2573

■ 0.0000, 0.0000,
0.0264

■ 67.9157, 71.3868,
83.5983

■ 67.9157, 71.3868,
83.5983

■ 57.8339, 60.5382,
82.0368

■ 79.2987, 83.4482,
85.3275

■ 48.9992, 50.8543,
80.6332

■ 89.5513, 95.4765,
87.1088

■ 41.3629, 42.2970,
79.3840

■ 91.0038, 98.3815,
87.5930

■ 34.8703, 34.8227,
78.2835

■ 29.4625, 28.3846,
77.3258

■ 25.0749, 22.9322,
76.5047

■ 21.6353, 18.4102,
75.8131

■ 19.0611, 14.7563,
75.2435

■ 17.2528, 11.8986,
74.7872

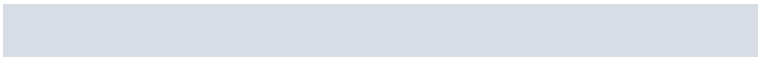
Harmonies

Analogous

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



66.9113, 71.3868, 82.8919



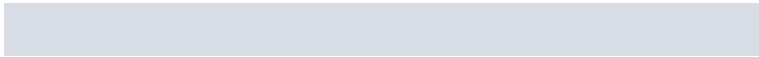
67.9157, 71.3868, 83.5983



68.9126, 71.3868, 82.6987

Triad

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



67.9157, 71.3868, 83.5983



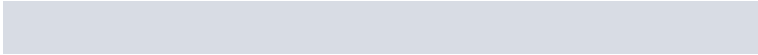
69.5651, 71.3868, 74.7426



66.1017, 71.3868, 75.0555

Complementary

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



67.9157, 71.3868, 83.5983



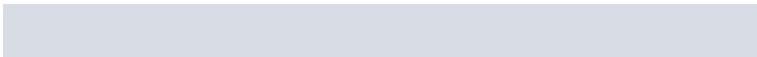
71.0454, 74.7624, 75.6530

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.



66.8004, 71.3868, 72.9607



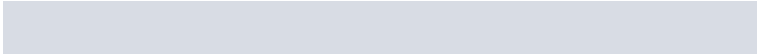
67.9157, 71.3868, 83.5983



68.7995, 71.3868, 72.7833

Square

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



67.9157, 71.3868, 83.5983



69.8709, 71.3868, 77.5430



67.7864, 71.3868, 72.1393



65.8704, 71.3868, 77.9134

Rectangle

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



67.9157, 71.3868, 83.5983



69.4370, 71.3868, 81.3223



67.7864, 71.3868, 72.1393



66.2894, 71.3868, 74.2413

Sweetspot

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



67.9178, 71.3898, 83.5999



92.1239, 96.8963, 108.4551



69.4909, 75.4579, 81.2823



19.7490, 20.7724, 23.2185



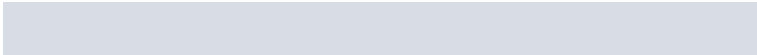
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



67.9178, 71.3898, 83.5999



86.4767, 90.8794, 107.5914



67.4142, 69.5890, 83.2788



14.6208, 15.3626, 18.3390



9.6787, 6.4196, 43.1122



0.7982, 0.6404, 3.2135

Inverse Universe

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



69.4706, 70.7744, 77.7131



88.7634, 89.9843, 98.9202



71.5660, 76.6470, 75.9893



15.0475, 15.1972, 16.7207



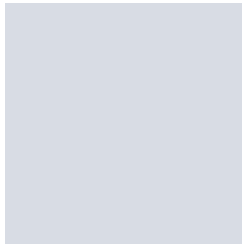
19.2789, 9.8458, 5.0976



1.4665, 0.7443, 0.5973

Previews

White Background



This preview shows how the XYZ color 67.9157, 71.3868, 83.5983 looks on a white background.

Color Contrast Check

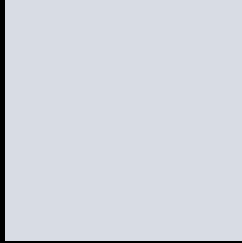
Large Text (above 18pt) WCAG AA × Fail

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 67.9157, 71.3868, 83.5983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

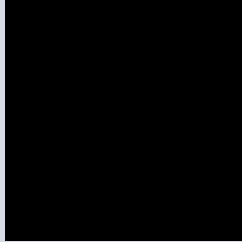
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

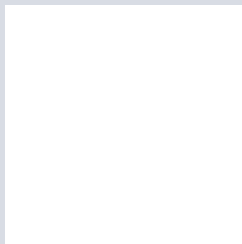
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.9157, 71.3868, 83.5983

Background



This preview shows how black text looks on a background with the XYZ color 67.9157, 71.3868, 83.5983.

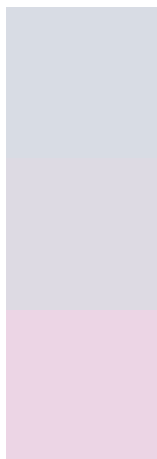


This preview shows how white text looks on a background with the XYZ color 67.9157, 71.3868,

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

67.9157, 71.3868, 83.5983

Protanopia

68.7553, 71.0610, 82.7654

Deuteranopia

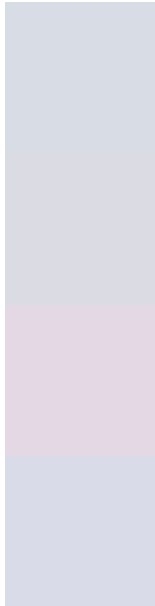
72.5292, 71.0785, 84.0256



Tritanopia

69.0871, 71.4709, 89.5109

Trichromacy



Original Color

67.9157, 71.3868, 83.5983

Protanomaly

68.4101, 71.2692, 82.8238

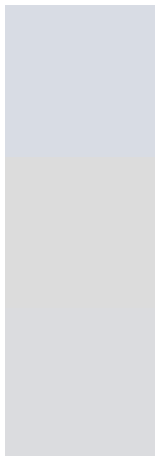
Deuteranomaly

71.0118, 71.4269, 84.1728

Tritanomaly

68.6548, 71.2979, 87.2342

Monochromacy



Original Color

67.9157, 71.3868, 83.5983

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.1259, 71.5742, 80.0366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9157, 71.3868, 83.5983 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(216, 220, 228) looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 220, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 220, 228) }
```

Border

The CSS property to change the border of an element to XYZ 67.9157, 71.3868, 83.5983 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(216, 220, 228) }
```


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

```
.border{ border-color:rgb(216, 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(216, 220, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 220, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 220, 228);  
box-shadow:4px 4px 4px 4px rgb(216, 220,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9157, 71.3868, 83.5983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 220, 228) }
```

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

```
.background{ background-color: rgb(216,  
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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