

Converting Colors

XYZ(68.2801, 70.5265, 88.6134)

Have a look what the booklet for
XYZ(68.2801, 70.5265, 88.6134)
contains.

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Color

**XYZ(68.3857, 70.7399,
88.6471)**

Conversions

Conversions Part 1

Format	Color
Hex	D8DAEB
RGB	216, 218, 235
RGB Percent	85%, 85%, 92%
CMY	0.1529, 0.1451, 0.0784
CMYK	0.08, 0.07, 0.00, 0.08
HSL	234°, 32%, 88%
HSV	234°, 8%, 92%
XYZ	68.3857, 70.7399, 88.6471
YIQ	219.3400, -6.6490, 4.8630

Conversions

Conversions Part 2

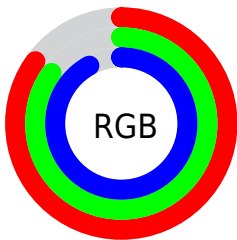
Format	Color
R _{YB}	216, 218, 235
Decimal	14211819
CIE _{Lab}	87.36, 2.52, -8.55
CIE _{LCh}	87, 8.913, 286.455
Y _{xy}	70.7399, 0.3002, 0.3106
Android (android.graphics.Color)	4292401899 (0xFFD8DAEB)
Y _{UV}	219.3400, 7.7204, -2.9292
Hunter-Lab	84.1070, -2.0526, -3.6156

Details

The XYZ color **68.3857, 70.7399, 88.6471** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.7948, 80.8972, 76.5869**, and the grayscale version is **67.5211, 71.0374, 77.3598**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9318, 37.0261, 47.9008** is the 20% darker color. If you saturate the color by 10%, you get **56.8234, 57.1949, 86.6431**, and if you desaturate by 10%, it is **81.6365, 86.1856, 90.9311**.

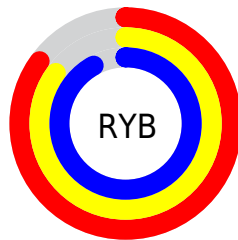
Distribution



Red (85%)

Green (85%)

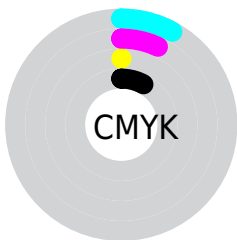
Blue (92%)



Red (85%)

Yellow (85%)

Blue (92%)

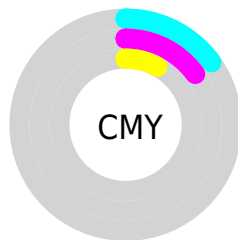


Cyan (8%)

Magenta (7%)

Yellow (0%)

Black (8%)



Cyan (15%)

Magenta (15%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3857, 70.7399, 88.6471 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 68.3857, 70.7399, 88.6471 by changing the saturation by 10% instead.

■ 68.3857, 70.7399,
88.6471

■ 68.3857, 70.7399,
88.6471

444.2167,
463.1437, 544.0762

■ 50.4864, 52.1300,
66.2917

115.9426,
120.2633, 147.3768

■ 36.0194, 37.1087,
48.0513

146.3310,
151.9456, 184.5882

■ 24.6194, 25.2916,
33.5072

181.6130,
188.7540, 227.5886

■ 15.9209, 16.2945,
22.2410

222.1542,
231.0731, 276.7967

■ 9.5587, 9.7328,
13.8341

268.3198,
279.2873, 332.6310

■ 5.1674, 5.2221,
7.8679

320.4751,

■ 2.3816, 2.3782,

333.7808, 395.5099

3.9240

378.9857,
394.9381, 465.8522

■ 0.8359, 0.8146,
1.5837

■ 0.0000, 0.0000,
0.2792

■ 68.3857, 70.7399,
88.6471

■ 68.3857, 70.7399,
88.6471

■ 56.8234, 57.1949,
86.6431

■ 81.6365, 86.1856,
90.9311

■ 46.8756, 45.4685,
84.9040

■ 91.9956, 98.7782,
92.8158

■ 38.4722, 35.4856,
83.4200

■ 31.5352, 27.1627,
82.1792

■ 25.9800, 20.4092,
81.1684

■ 21.7133, 15.1260,
80.3735

■ 18.6298, 11.2023,
79.7787

■ 16.6077, 8.5114,
79.3659

■ 15.4865, 6.8964,
79.1132

Harmonies

Analogous

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



66.2955, 70.7399, 88.8141



68.3857, 70.7399, 88.6471



70.2037, 70.7399, 85.2628

Triad

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



68.3857, 70.7399, 88.6471



70.0546, 70.7399, 68.9470



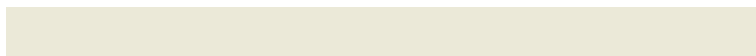
63.3889, 70.7399, 74.3487

Complementary

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



68.3857, 70.7399, 88.6471



75.7948, 80.8972, 76.5869

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.



64.3535, 70.7399, 69.3333



68.3857, 70.7399, 88.6471



68.1856, 70.7399, 66.3259

Square

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



68.3857, 70.7399, 88.6471



71.1808, 70.7399, 73.7963



66.0996, 70.7399, 66.4636



63.4400, 70.7399, 80.3440

Rectangle

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



68.3857, 70.7399, 88.6471



71.0037, 70.7399, 81.7330



66.0996, 70.7399, 66.4636



63.6043, 70.7399, 72.4989

Sweetspot

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



68.3878, 70.7429, 88.6487



91.7603, 96.1691, 108.3339



72.7054, 79.8876, 88.5176



19.6749, 20.6243, 23.1939



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.



68.3878, 70.7429, 88.6487



79.4326, 81.7798, 106.2063



70.0713, 70.8442, 88.5795



14.3590, 14.8044, 19.0230



8.5800, 3.8070, 44.0256



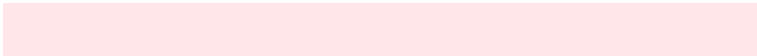
0.7166, 0.3847, 3.4714

Inverse Universe

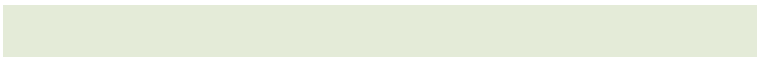
The Inverse Universe completely reimagines the original color for something new.



71.4733, 71.8373, 76.4321



83.9902, 83.4126, 88.1579



74.0092, 80.8234, 76.6668



15.1300, 15.0799, 15.9699



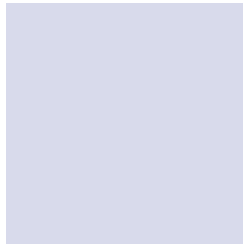
19.1861, 9.8771, 1.5153



1.5282, 0.7842, 0.2330

Previews

White Background



This preview shows how the XYZ color 68.3857, 70.7399, 88.6471 looks on a white background.

Color Contrast Check

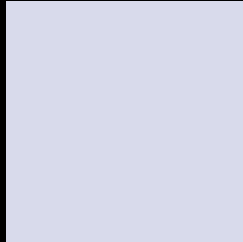
Large Text (above 18pt) WCAG AA × Fail

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 68.3857, 70.7399, 88.6471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

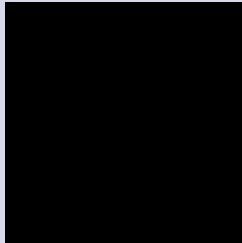
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3857, 70.7399, 88.6471

Background



This preview shows how black text looks on a background with the XYZ color 68.3857, 70.7399, 88.6471.

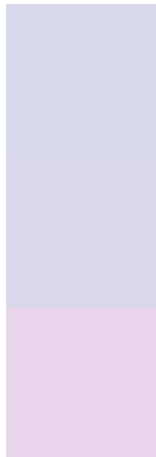


This preview shows how white text looks on a background with the XYZ color 68.3857, 70.7399,

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

68.3857, 70.7399, 88.6471

Protanopia

68.7217, 70.5293, 88.5888

Deuteranopia

72.2133, 70.8004, 89.2167



Tritanopia

68.3857, 70.7399, 88.6471

Trichromacy



Original Color

68.3857, 70.7399, 88.6471

Protanomaly

68.4235, 70.3756, 88.5748

Deuteranomaly

70.8048, 70.8258, 89.2958

Tritanomaly

68.3857, 70.7399, 88.6471

Monochromacy



Original Color

68.3857, 70.7399, 88.6471

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.8356, 71.0047, 81.3641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3857, 70.7399, 88.6471 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, 218, 235) looks like.

```
.text, #text, p{  
    color:rgb(216, 218, 235)  
}
```

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, 218, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 218, 235) }
```

Border

The CSS property to change the border of an element to XYZ 68.3857, 70.7399, 88.6471 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, 218, 235) }
```


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

```
.border{ border-color:rgb(216, 218, 235) }
```

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

Here you see how a box with a 4 pixel rgb(216, 218, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 218, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 218, 235);  
box-shadow:4px 4px 4px 4px rgb(216, 218,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3857, 70.7399, 88.6471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 218, 235) }
```

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

```
.background{ background-color: rgb(216,  
218, 235) }
```

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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