

Converting Colors

XYZ(68.6821, 70.8927, 88.6610)

Have a look what the booklet for
XYZ(68.6821, 70.8927, 88.6610)
contains.

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Color

**XYZ(68.6821, 70.8927,
88.6610)**

Conversions

Conversions Part 1

Format	Color
Hex	D9DAEB
RGB	217, 218, 235
RGB Percent	85%, 85%, 92%
CMY	0.1490, 0.1451, 0.0784
CMYK	0.08, 0.07, 0.00, 0.08
HSL	237°, 31%, 89%
HSV	237°, 8%, 92%
XYZ	68.6821, 70.8927, 88.6610
YIQ	219.6390, -6.0530, 5.0750

Conversions

Conversions Part 2

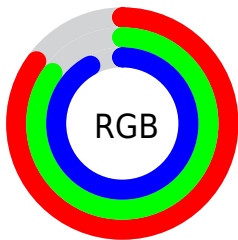
Format	Color
R _Y B	217, 218, 235
Decimal	14277355
CIE Lab	87.43, 2.85, -8.43
CIE LCh	87, 8.898, 288.684
Yxy	70.8927, 0.3009, 0.3106
Android (android.graphics.Color)	4292467435 (0xFFD9DAEB)
YUV	219.6390, 7.5730, -2.3144
Hunter-Lab	84.1978, -1.7396, -3.4944

Details

The XYZ color **68.6821, 70.8927, 88.6610** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.2084, 81.5170, 77.3647**, and the grayscale version is **67.7297, 71.2569, 77.5988**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1342, 37.1304, 47.9102** is the 20% darker color. If you saturate the color by 10%, you get **56.8142, 56.7980, 86.5671**, and if you desaturate by 10%, it is **82.3192, 87.0469, 91.0614**.

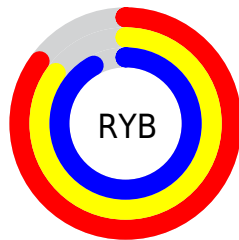
Distribution



Red (85%)

Green (85%)

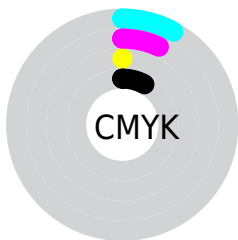
Blue (92%)



Red (85%)

Yellow (85%)

Blue (92%)

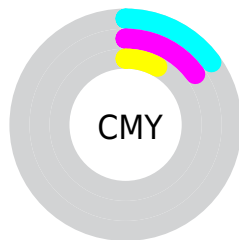


Cyan (8%)

Magenta (7%)

Yellow (0%)

Black (8%)



Cyan (15%)

Magenta (15%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6821, 70.8927, 88.6610 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 68.6821, 70.8927, 88.6610 by changing the saturation by 10% instead.

■ 68.6821, 70.8927,
88.6610

■ 68.6821, 70.8927,
88.6610

445.2479,
463.6783, 544.1227

■ 50.7286, 52.2546,
66.3032

116.3640,
120.4809, 147.3963

■ 36.2128, 37.2081,
48.0605

146.8230,
152.1999, 184.6108

■ 24.7695, 25.3686,
33.5145

182.1812,
189.0479, 227.6147

■ 16.0332, 16.3519,
22.2465

222.8040,
231.4095, 276.8264

■ 9.6386, 9.7735,
13.8381

269.0567,
279.6689, 332.6645

■ 5.2204, 5.2491,
7.8707

321.3047,

■ 2.4133, 2.3941,

334.2105, 395.5476

3.9257

379.9133,
395.4189, 465.8942

■ 0.8517, 0.8229,
1.5847

■ 0.0000, 0.0000,
0.2799

■ 68.6821, 70.8927,
88.6610

■ 68.6821, 70.8927,
88.6610

■ 56.8142, 56.7980,
86.5671

■ 82.3192, 87.0469,
91.0614

■ 46.6371, 44.6716,
84.7628

■ 91.9956, 98.7782,
92.8158

■ 38.0756, 34.4284,
83.2369

■ 31.0465, 25.9740,
81.9755

■ 25.4593, 19.2056,
80.9636

■ 21.2139, 14.0101,
80.1845

■ 18.1971, 10.2604,
79.6197

■ 16.2774, 7.8097,
79.2479

■ 15.2855, 6.4758,
79.0427

Harmonies

Analogous

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



66.5929, 70.8927, 89.0832



68.6821, 70.8927, 88.6610



70.4572, 70.8927, 85.0724

Triad

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



68.6821, 70.8927, 88.6610



70.0802, 70.8927, 68.8330



63.5023, 70.8927, 74.9451

Complementary

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



68.6821, 70.8927, 88.6610



76.2084, 81.5170, 77.3647

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.



64.3964, 70.8927, 69.8103



68.6821, 70.8927, 88.6610



68.1761, 70.8927, 66.4057

Square

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



68.6821, 70.8927, 88.6610



71.2759, 70.8927, 73.5475



66.0972, 70.8927, 66.7539



63.6314, 70.8927, 80.9510

Rectangle

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



68.6821, 70.8927, 88.6610



71.2101, 70.8927, 81.4668



66.0972, 70.8927, 66.7539



63.6924, 70.8927, 73.0657

Sweetspot

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



68.6842, 70.8957, 88.6626



91.6814, 96.0113, 108.3076



73.1474, 80.0986, 89.2978



19.6589, 20.5922, 23.1885



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.



68.6842, 70.8957, 88.6626



80.5771, 82.8485, 106.3522



70.7985, 71.6007, 88.6872



14.2986, 14.6836, 19.0028



8.4551, 3.5573, 43.9840



0.6877, 0.3269, 3.4617

Inverse Universe

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



71.7303, 72.3514, 76.5178



84.8657, 84.9034, 89.2525



73.9756, 80.7911, 77.3423



15.0995, 15.0677, 15.8093



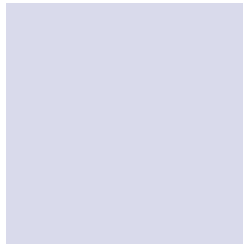
19.1231, 9.8519, 1.1835



1.5136, 0.7784, 0.1562

Previews

White Background



This preview shows how the XYZ color 68.6821, 70.8927, 88.6610 looks on a white background.

Color Contrast Check

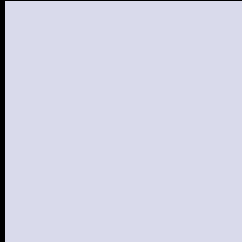
Large Text (above 18pt) WCAG AA × Fail

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 68.6821, 70.8927, 88.6610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

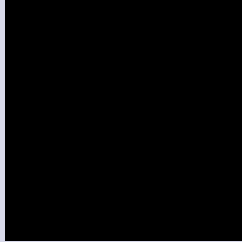
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6821, 70.8927, 88.6610

Background



This preview shows how black text looks on a background with the XYZ color 68.6821, 70.8927, 88.6610.



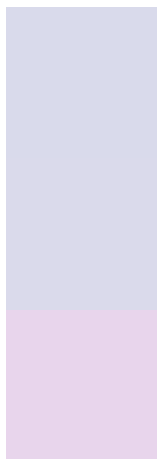
This preview shows how white text looks on a background with the XYZ color 68.6821, 70.8927,

88.6610.

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

68.6821, 70.8927, 88.6610

Protanopia

68.9802, 71.0464, 88.6749

Deuteranopia

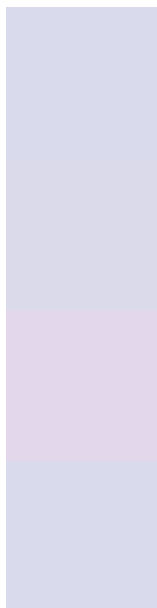
72.2133, 70.8004, 89.2167



Tritanopia

68.6821, 70.8927, 88.6610

Trichromacy



Original Color

68.6821, 70.8927, 88.6610

Protanomaly

68.9802, 71.0464, 88.6749

Deuteranomaly

71.1193, 70.9879, 89.3105

Tritanomaly

68.6821, 70.8927, 88.6610

Monochromacy



Original Color

68.6821, 70.8927, 88.6610

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.1355, 71.1593, 81.3782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6821, 70.8927, 88.6610 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(217, 218, 235) looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 218, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 218, 235) }
```

Border

The CSS property to change the border of an element to XYZ 68.6821, 70.8927, 88.6610 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(217, 218, 235) }
```


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

```
.border{ border-color:rgb(217, 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(217, 218, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 218, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 218, 235);  
box-shadow:4px 4px 4px 4px rgb(217, 218,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6821, 70.8927, 88.6610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 218, 235) }
```

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

```
.background{ background-color: rgb(217,  
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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