

Converting Colors

XYZ(68.8959, 71.8896, 89.8580)

Have a look what the booklet for
XYZ(68.8959, 71.8896, 89.8580)
contains.

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Color

**XYZ(68.7579, 71.6896,
89.5704)**

Conversions

Conversions Part 1

Format	Color
Hex	D7DCEC
RGB	215, 220, 236
RGB Percent	84%, 86%, 93%
CMY	0.1569, 0.1372, 0.0745
CMYK	0.09, 0.07, 0.00, 0.07
HSL	226°, 36%, 88%
HSV	226°, 9%, 93%
XYZ	68.7579, 71.6896, 89.5704
YIQ	220.3290, -8.1160, 3.9160

Conversions

Conversions Part 2

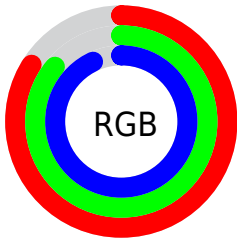
Format	Color
R _Y B	215, 219, 236
Decimal	14146796
CIE Lab	87.82, 1.35, -8.40
CIE LCh	88, 8.508, 279.138
Yxy	71.6896, 0.2989, 0.3117
Android (android.graphics.Color)	4292336876 (0xFFD7DCEC)
YUV	220.3290, 7.7258, -4.6735
Hunter-Lab	84.6697, -3.2171, -3.4529

Details

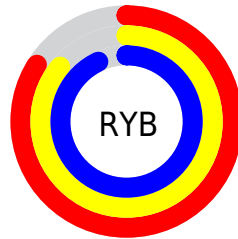
The XYZ color **68.7579, 71.6896, 89.5704** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.4341, 79.8906, 75.7361**, and the grayscale version is **68.2108, 71.7631, 78.1500**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1906, 37.6791, 48.5454** is the 20% darker color. If you saturate the color by 10%, you get **57.8546, 59.4386, 87.7815**, and if you desaturate by 10%, it is **81.1725, 85.4768, 91.5784**.

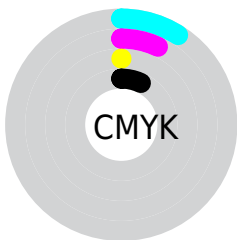
Distribution



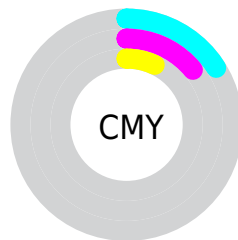
- Red (84%)
- Green (86%)
- Blue (93%)



- Red (84%)
- Yellow (86%)
- Blue (93%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)
- Black (7%)



- Cyan (16%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7579, 71.6896, 89.5704 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 68.7579, 71.6896, 89.5704 by changing the saturation by 10% instead.

■ 68.7579, 71.6896,
89.5704

■ 68.7579, 71.6896,
89.5704

445.5114,
466.4605, 547.1664

■ 50.7905, 52.9052,
67.0527

116.4717,
121.6151, 148.6718

■ 36.2623, 37.7271,
48.6656

146.9488,
153.5250, 186.0926

■ 24.8079, 25.7709,
33.9905

182.3265,
190.5788, 229.3182

■ 16.0619, 16.6523,
22.6090

222.9701,
233.1609, 278.7670

■ 9.6591, 9.9869,
14.1025

269.2451,
281.6557, 334.8577

■ 5.2341, 5.3903,
8.0524

321.5167,

■ 2.4214, 2.4780,

336.4477, 398.0088

4.0403

380.1503,
397.9211, 468.6389

■ 0.8558, 0.8656,
1.6475

■ 0.0000, 0.0000,
0.3244

■ 68.7579, 71.6896,
89.5704

■ 68.7579, 71.6896,
89.5704

■ 57.8546, 59.4386,
87.7815

■ 81.1725, 85.4768,
91.5784

■ 48.3976, 48.6609,
86.1996

■ 92.1405, 98.8362,
93.5789

■ 40.3267, 39.3022,
84.8186

■ 33.5746, 31.3018,
83.6302

■ 28.0686, 24.5939,
82.6257

■ 23.7282, 19.1074,
81.7954

■ 20.4632, 14.7633,
81.1290

■ 18.1688, 11.4726,
80.6148

■ 16.6965, 9.1199,
80.2383

Harmonies

Analogous

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



66.7642, 71.6896, 88.9270



68.7579, 71.6896, 89.5704



70.6214, 71.6896, 87.0128

Triad

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



68.7579, 71.6896, 89.5704



71.1978, 71.6896, 71.2412



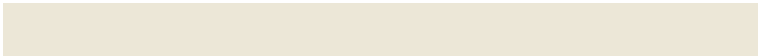
64.5714, 71.6896, 74.1609

Complementary

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



68.7579, 71.6896, 89.5704



75.4341, 79.8906, 75.7361

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.



65.7151, 71.6896, 69.7393



68.7579, 71.6896, 89.5704



69.5322, 71.6896, 68.1124

Square

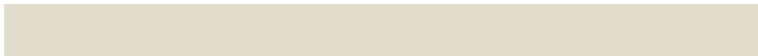
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7579, 71.6896, 89.5704



72.0483, 71.6896, 76.3034



67.5235, 71.6896, 67.5765



64.3734, 71.6896, 79.8388

Rectangle

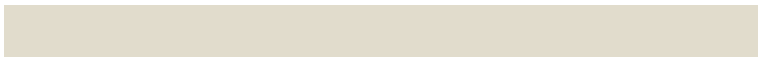
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.7579, 71.6896, 89.5704



71.5296, 71.6896, 83.9075



67.5235, 71.6896, 67.5765



64.8569, 71.6896, 72.4865

Sweetspot

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



68.7600, 71.6926, 89.5720



90.4604, 94.9159, 108.1606



72.4096, 80.1946, 87.0802



19.1057, 20.0312, 23.1094



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.



68.7600, 71.6926, 89.5720



79.0311, 82.1794, 106.3046



69.0331, 69.9132, 89.2141



14.5225, 15.1315, 19.0775



9.2143, 5.0757, 44.2370



0.7962, 0.5438, 3.4979

Inverse Universe

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



71.8125, 71.6027, 77.7494



83.4939, 82.0902, 89.0098



75.1368, 81.8458, 76.1291



15.2125, 15.1129, 16.4046



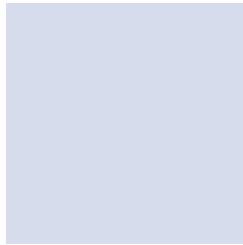
19.5063, 10.0052, 3.2014



1.5684, 0.8003, 0.4444

Previews

White Background



This preview shows how the XYZ color 68.7579, 71.6896, 89.5704 looks on a white background.

Color Contrast Check

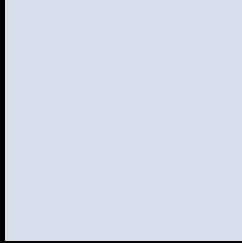
Large Text (above 18pt) WCAG AA × Fail

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 68.7579, 71.6896, 89.5704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

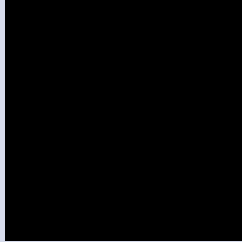
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7579, 71.6896, 89.5704

Background



This preview shows how black text looks on a background with the XYZ color 68.7579, 71.6896, 89.5704.

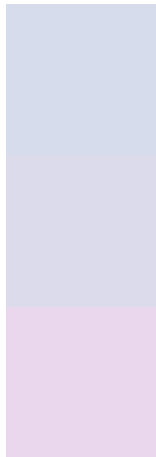


This preview shows how white text looks on a background with the XYZ color 68.7579, 71.6896,

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

68.7579, 71.6896, 89.5704

Protanopia

69.8421, 71.8768, 88.7898

Deuteranopia

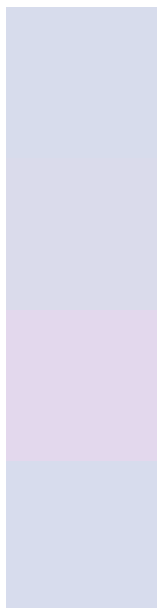
73.2643, 71.7000, 90.0988



Tritanopia

68.9036, 71.7479, 90.3379

Trichromacy



Original Color

68.7579, 71.6896, 89.5704

Protanomaly

69.2404, 71.5666, 88.7616

Deuteranomaly

71.5205, 71.5571, 90.1631

Tritanomaly

68.9036, 71.7479, 90.3379

Monochromacy



Original Color

68.7579, 71.6896, 89.5704

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.2341, 71.5828, 82.1720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7579, 71.6896, 89.5704 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, 220, 236) looks like.

```
.text, #text, p{  
    color:rgb(215, 220, 236)  
}
```

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, 220, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 220, 236) }
```

Border

The CSS property to change the border of an element to XYZ 68.7579, 71.6896, 89.5704 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, 220, 236) }
```


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

```
.border{ border-color:rgb(215, 220, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 220, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 220, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 220, 236);  
box-shadow:4px 4px 4px 4px rgb(215, 220,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7579, 71.6896, 89.5704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 220, 236) }
```

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

```
.background{ background-color: rgb(215,  
220, 236) }
```

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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