

Converting Colors

XYZ(68.2960, 71.8922, 87.3678)

Have a look what the booklet for
XYZ(68.2960, 71.8922, 87.3678)
contains.

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Color

**XYZ(68.2960, 71.8922,
87.3678)**

Conversions

Conversions Part 1

Format	Color
Hex	D6DDE9
RGB	214, 221, 233
RGB Percent	84%, 87%, 91%
CMY	0.1608, 0.1333, 0.0863
CMYK	0.08, 0.05, 0.00, 0.09
HSL	218°, 30%, 88%
HSV	218°, 8%, 91%
XYZ	68.2960, 71.8922, 87.3678
YIQ	220.2750, -8.0240, 2.2480

Conversions

Conversions Part 2

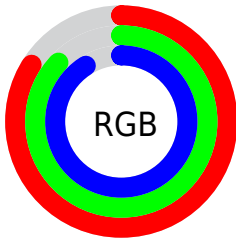
Format	Color
R _Y B	214, 219, 233
Decimal	14081513
CIE _{Lab}	87.92, -0.08, -6.68
CIE _{LCh}	88, 6.683, 269.337
Y _{xy}	71.8922, 0.3001, 0.3159
Android (android.graphics.Color)	4292271593 (0xFFD6DDE9)
Y _{UV}	220.2750, 6.2734, -5.5032
Hunter-Lab	84.7893, -4.6032, -1.7406

Details

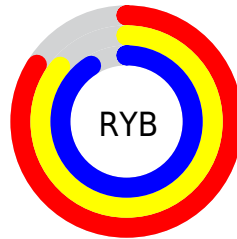
The XYZ color **68.2960, 71.8922, 87.3678** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.9386, 76.5710, 74.5551**, and the grayscale version is **68.1828, 71.7336, 78.1179**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8701, 37.8177, 47.0040** is the 20% darker color. If you saturate the color by 10%, you get **58.2610, 61.2048, 85.8349**, and if you desaturate by 10%, it is **79.6483, 83.7679, 89.0628**.

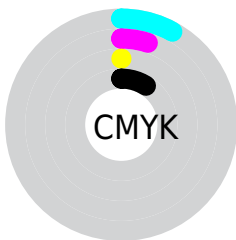
Distribution



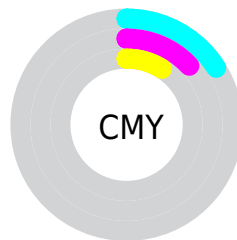
- Red (84%)
- Green (87%)
- Blue (91%)



- Red (84%)
- Yellow (86%)
- Blue (91%)



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (16%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2960, 71.8922, 87.3678 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 68.2960, 71.8922, 87.3678 by changing the saturation by 10% instead.

■ 68.2960, 71.8922,
87.3678

■ 68.2960, 71.8922,
87.3678

443.9043,
467.1663, 539.7783

■ 50.4131, 53.0706,
65.2383

115.8151,
121.9033, 145.5801

■ 35.9609, 37.8591,
47.2017

146.1820,
153.8615, 182.4999

■ 24.5740, 25.8734,
32.8397

181.4410,
190.9675, 225.1869

■ 15.8870, 16.7289,
21.7335

221.9574,
233.6055, 274.0596

■ 9.5346, 10.0414,
13.4648

268.0966,
282.1600, 329.5365

■ 5.1513, 5.4264,
7.6149

320.2239,

■ 2.3720, 2.4996,

337.0154, 392.0362

3.7653

378.7047,
398.5560, 461.9773

■ 0.8311, 0.8764,
1.4975

■ 0.0000, 0.0000,
0.2161

■ 68.2960, 71.8922,
87.3678

■ 68.2960, 71.8922,
87.3678

■ 58.2610, 61.2048,
85.8349

■ 79.6483, 83.7679,
89.0628

■ 49.4873, 51.6580,
84.4547

■ 90.2673, 95.7815,
90.8220

■ 41.9238, 43.2142,
83.2235

■ 91.7082, 98.6633,
91.3023

■ 35.5135, 35.8298,
82.1360

■ 30.1945, 29.4583,
81.1865

■ 25.8987, 24.0490,
80.3688

■ 22.5493, 19.5462,
79.6762

■ 20.0572, 15.8865,
79.1012

■ 18.3009, 12.9888,
78.6344

Harmonies

Analogous

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



66.7834, 71.8922, 86.0573



68.2960, 71.8922, 87.3678



69.8409, 71.8922, 86.1653

Triad

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



68.2960, 71.8922, 87.3678



71.0324, 71.8922, 74.0648



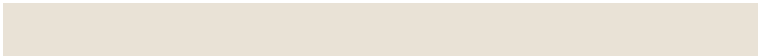
65.7341, 71.8922, 73.8957

Complementary

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



68.2960, 71.8922, 87.3678



72.9386, 76.5710, 74.5551

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.



66.8438, 71.8922, 70.8881



68.2960, 71.8922, 87.3678



69.9031, 71.8922, 70.9830

Square

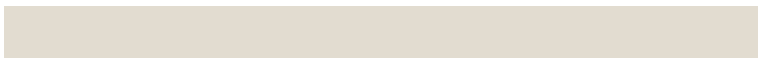
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.2960, 71.8922, 87.3678



71.4355, 71.8922, 78.3798



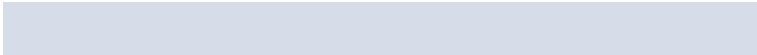
68.3668, 71.8922, 69.8423



65.3185, 71.8922, 78.1771

Rectangle

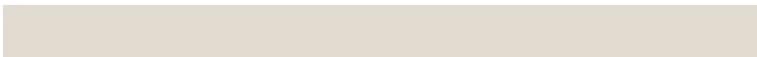
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.2960, 71.8922, 87.3678



70.6778, 71.8922, 84.1258



68.3668, 71.8922, 69.8423



66.0375, 71.8922, 72.7084

Sweetspot

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



68.2981, 71.8952, 87.3694



92.1798, 97.0081, 108.4738



70.5603, 78.0507, 83.0954



19.7604, 20.7952, 23.2223



0.0000, 0.0000, 0.0000



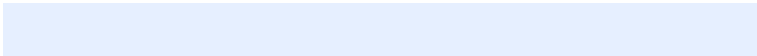
20.3446, 21.4041, 23.3091

Same Dimension

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



68.2981, 71.8952, 87.3694



81.3598, 85.6342, 106.8487



67.1388, 68.6097, 86.7963



14.6859, 15.4582, 19.1320



10.3369, 7.3208, 44.6112



0.9009, 0.7532, 3.5328

Inverse Universe

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



70.7036, 70.6388, 78.3182



84.9629, 83.8017, 93.2804



74.1628, 80.0870, 75.1692



15.2950, 15.1459, 16.8388



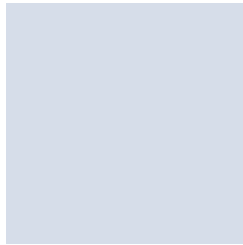
20.0729, 10.2318, 6.1852



1.6212, 0.8215, 0.7228

Previews

White Background



This preview shows how the XYZ color 68.2960, 71.8922, 87.3678 looks on a white background.

Color Contrast Check

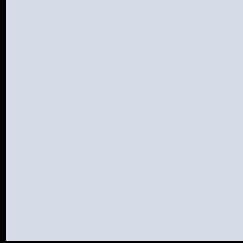
Large Text (above 18pt) WCAG AA × Fail

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 68.2960, 71.8922, 87.3678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

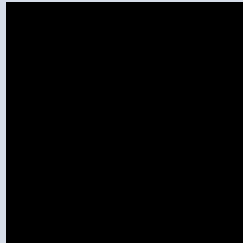
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

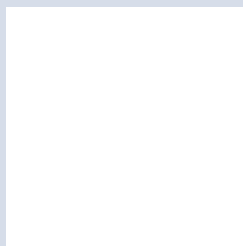
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2960, 71.8922, 87.3678

Background



This preview shows how black text looks on a background with the XYZ color 68.2960, 71.8922, 87.3678.

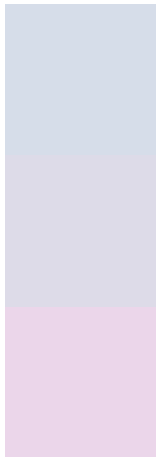


This preview shows how white text looks on a background with the XYZ color 68.2960, 71.8922,

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

68.2960, 71.8922, 87.3678

Protanopia

69.7158, 71.8614, 86.5401

Deuteranopia

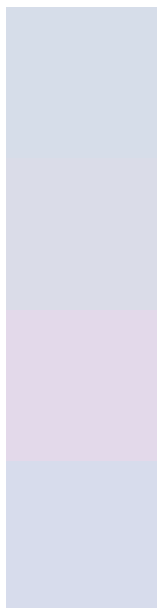
73.1588, 71.6958, 87.8247



Tritanopia

69.0501, 71.8065, 91.1096

Trichromacy



Original Color

68.2960, 71.8922, 87.3678

Protanomaly

69.0721, 71.9180, 86.5850

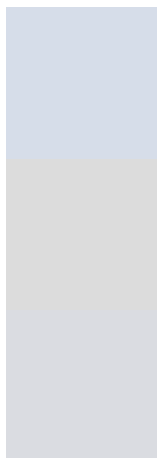
Deuteranomaly

71.3427, 71.8971, 87.9593

Tritanomaly

68.7579, 71.6896, 89.5704

Monochromacy



Original Color

68.2960, 71.8922, 87.3678

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.0972, 71.5281, 81.4514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2960, 71.8922, 87.3678 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(214, 221, 233) looks like.

```
.text, #text, p{
  color:rgb(214, 221, 233)
}
```

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(214, 221, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 221, 233) }
```

Border

The CSS property to change the border of an element to XYZ 68.2960, 71.8922, 87.3678 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(214, 221, 233) }
```


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

```
.border{ border-color:rgb(214, 221, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 221, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 221, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 221, 233);  
box-shadow:4px 4px 4px 4px rgb(214, 221,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2960, 71.8922, 87.3678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 221, 233) }
```

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

```
.background{ background-color: rgb(214,  
221, 233) }
```

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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