

Converting Colors

XYZ(69.1466, 72.2311, 82.4862)

Have a look what the booklet for
XYZ(69.1466, 72.2311, 82.4862)
contains.

XYZ(68.8359, 71.8930, 82.2002)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.8359, 71.8930,
82.2002)**

Conversions

Conversions Part 1

Format	Color
Hex	DCDCE2
RGB	220, 220, 226
RGB Percent	86%, 86%, 89%
CMY	0.1372, 0.1372, 0.1137
CMYK	0.03, 0.03, 0.00, 0.11
HSL	240°, 9%, 87%
HSV	240°, 3%, 89%
XYZ	68.8359, 71.8930, 82.2002
YIQ	220.6840, -1.9260, 1.8660

Conversions

Conversions Part 2

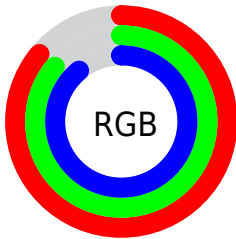
Format	Color
R _Y B	220, 220, 226
Decimal	14474466
CIE Lab	87.92, 1.10, -2.94
CIE LCh	88, 3.141, 290.461
Yxy	71.8930, 0.3088, 0.3225
Android (android.graphics.Color)	4292664546 (0xFFDCDCE2)
YUV	220.6840, 2.6208, -0.5999
Hunter-Lab	84.7897, -3.4682, 1.8736

Details

The XYZ color **68.8359, 71.8930, 82.2002** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.4789, 75.7281, 78.5611**, and the grayscale version is **68.4906, 72.0575, 78.4706**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3229, 37.8499, 43.9194** is the 20% darker color. If you saturate the color by 10%, you get **56.9201, 57.5380, 80.0585**, and if you desaturate by 10%, it is **82.4815, 88.3328, 84.6553**.

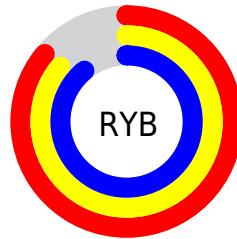
Distribution



Red (86%)

Green (86%)

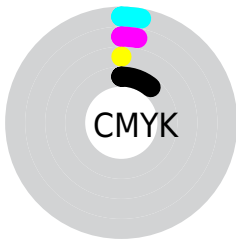
Blue (89%)



Red (86%)

Yellow (86%)

Blue (89%)

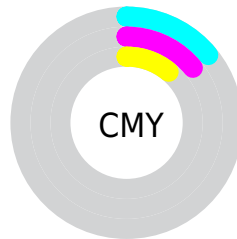


Cyan (3%)

Magenta (3%)

Yellow (0%)

Black (11%)



Cyan (14%)

Magenta (14%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8359, 71.8930, 82.2002 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 68.8359, 71.8930, 82.2002 by changing the saturation by 10% instead.

■ 68.8359, 71.8930,
82.2002

■ 68.8359, 71.8930,
82.2002

445.7824,
467.1691, 522.2181

■ 50.8542, 53.0713,
60.9938

116.5825,
121.9044, 138.2939

■ 36.3132, 37.8597,
43.7896

147.0782,
153.8628, 174.0183

■ 24.8474, 25.8738,
30.1692

182.4759,
190.9690, 215.4191

■ 16.0915, 16.7292,
19.7139

223.1410,
233.6073, 262.9148

■ 9.6802, 10.0416,
12.0052

269.4388,
282.1620, 316.9241

■ 5.2481, 5.4266,
6.6247

321.7348,

■ 2.4298, 2.4997,

337.0176, 377.8653

3.1536

380.3942,
398.5585, 446.1572

■ 0.8600, 0.8765,
1.1736

■ 0.0000, 0.0000,
0.0000

■ 68.8359, 71.8930,
82.2002

■ 68.8359, 71.8930,
82.2002

■ 56.9201, 57.5380,
80.0585

■ 82.4815, 88.3328,
84.6553

■ 46.6592, 45.1757,
78.2132

■ 90.7277, 98.2711,
86.1389

■ 37.9818, 34.7210,
76.6526

■ 30.8092, 26.0788,
75.3625

■ 25.0558, 19.1462,
74.3276

■ 20.6274, 13.8096,
73.5309

■ 17.4185, 9.9422,
72.9536

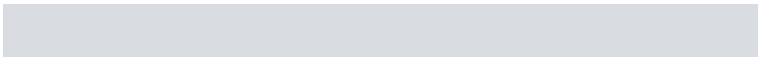
■ 15.3075, 7.3974,
72.5736

■ 14.1478, 5.9987,
72.3648

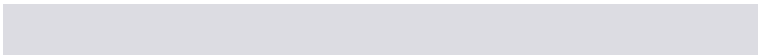
Harmonies

Analogous

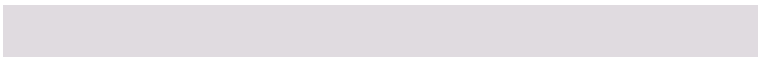
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.0942, 71.8930, 82.4099



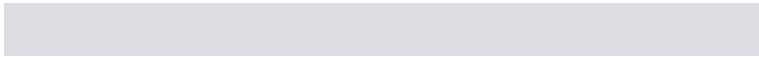
68.8359, 71.8930, 82.2002



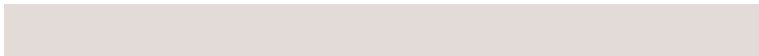
69.4468, 71.8930, 80.9295

Triad

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



68.8359, 71.8930, 82.2002



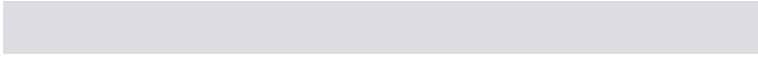
69.2514, 71.8930, 75.1470



66.9243, 71.8930, 77.5990

Complementary

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



68.8359, 71.8930, 82.2002



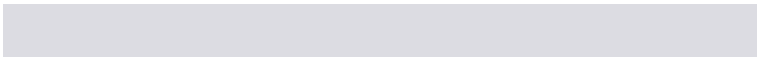
71.4789, 75.7281, 78.5611

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.



67.2295, 71.8930, 75.6875



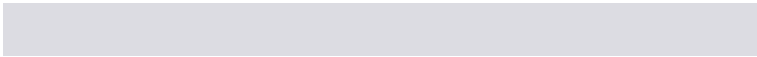
68.8359, 71.8930, 82.2002



68.5706, 71.8930, 74.2890

Square

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



68.8359, 71.8930, 82.2002



69.6878, 71.8930, 76.8489



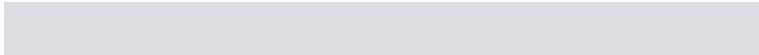
67.8308, 71.8930, 74.4850



66.9941, 71.8930, 79.7273

Rectangle

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



68.8359, 71.8930, 82.2002



69.6959, 71.8930, 79.6642



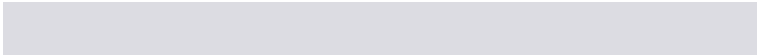
67.8308, 71.8930, 74.4850



66.9863, 71.8930, 76.9104

Sweetspot

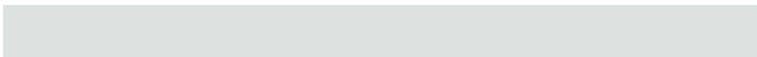
The Sweet Spot groups the original color and five complimentary colors.



68.8380, 71.8961, 82.2018



93.3104, 97.9042, 108.5872



70.4265, 75.0950, 82.6636



19.9906, 20.9776, 23.2454



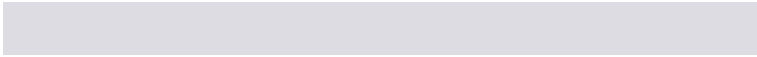
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



68.8380, 71.8961, 82.2018



89.9005, 93.7962, 107.9740



69.7225, 72.3508, 82.2429



14.4176, 15.0094, 17.5249



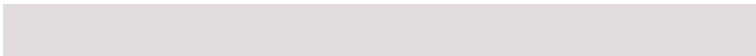
7.8326, 3.1347, 41.2406



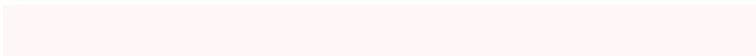
0.5431, 0.2177, 2.8586

Inverse Universe

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



69.8771, 72.5239, 78.0293



91.4511, 94.7331, 101.7479



70.5780, 75.2651, 78.5192



14.7314, 15.1990, 16.2651



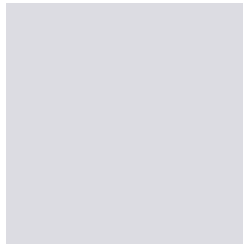
17.8937, 9.2245, 0.8402



1.2404, 0.6394, 0.0588

Previews

White Background



This preview shows how the XYZ color 68.8359, 71.8930, 82.2002 looks on a white background.

Color Contrast Check

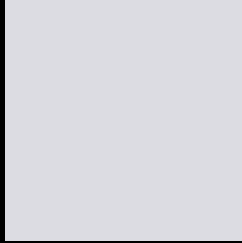
Large Text (above 18pt) WCAG AA × Fail

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 68.8359, 71.8930, 82.2002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

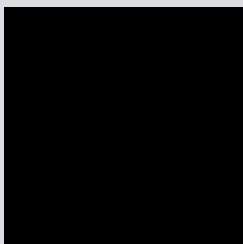
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

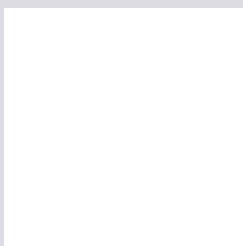
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8359, 71.8930, 82.2002

Background



This preview shows how black text looks on a background with the XYZ color 68.8359, 71.8930, 82.2002.

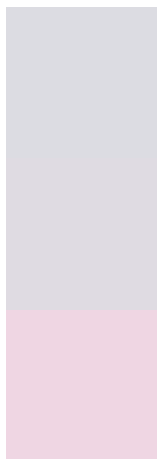


This preview shows how white text looks on a background with the XYZ color 68.8359, 71.8930,

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

68.8359, 71.8930, 82.2002

Protanopia

69.4904, 71.8420, 82.1559

Deuteranopia

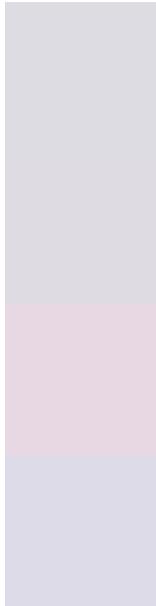
73.5083, 71.9899, 82.6942



Tritanopia

70.3359, 71.7285, 89.4948

Trichromacy



Original Color

68.8359, 71.8930, 82.2002

Protanomaly

69.1832, 71.6836, 82.1415

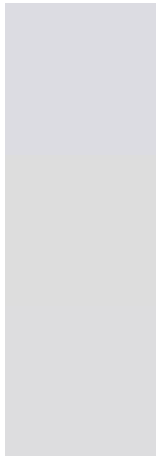
Deuteranomaly

71.6997, 71.8136, 82.7555

Tritanomaly

69.7158, 71.8614, 86.5401

Monochromacy



Original Color

68.8359, 71.8930, 82.2002

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.9945, 72.4128, 80.1527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8359, 71.8930, 82.2002 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(220, 220, 226) looks like.

```
.text, #text, p{  
    color:rgb(220, 220, 226)  
}
```

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(220, 220, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 220, 226) }
```

Border

The CSS property to change the border of an element to XYZ 68.8359, 71.8930, 82.2002 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(220, 220, 226) }
```


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

```
.border{ border-color:rgb(220, 220, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 220, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 220, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 220, 226);  
box-shadow:4px 4px 4px 4px rgb(220, 220,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8359, 71.8930, 82.2002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 220, 226) }
```

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

```
.background{ background-color: rgb(220,  
220, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor