

Converting Colors

XYZ(68.6228, 71.8563, 81.0586)

Have a look what the booklet for
XYZ(68.6228, 71.8563, 81.0586)
contains.

XYZ(68.5629, 71.7839, 80.7630)	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(68.5629, 71.7839,
80.7630)**

Conversions

Conversions Part 1

Format	Color
Hex	DCDCE0
RGB	220, 220, 224
RGB Percent	86%, 86%, 88%
CMY	0.1372, 0.1372, 0.1216
CMYK	0.02, 0.02, 0.00, 0.12
HSL	240°, 6%, 87%
HSV	240°, 2%, 88%
XYZ	68.5629, 71.7839, 80.7630
YIQ	220.4560, -1.2840, 1.2440

Conversions

Conversions Part 2

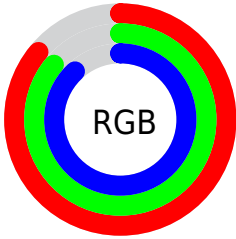
Format	Color
R _Y B	220, 220, 224
Decimal	14474464
CIE Lab	87.86, 0.73, -1.97
CIE LCh	88, 2.097, 290.380
Yxy	71.7839, 0.3101, 0.3247
Android (android.graphics.Color)	4292664544 (0xFFDCDCE0)
YUV	220.4560, 1.7472, -0.3999
Hunter-Lab	84.7254, -3.8206, 2.7906

Details

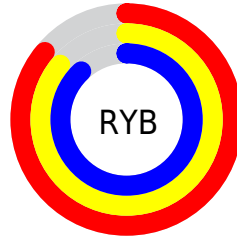
The XYZ color **68.5629, 71.7839, 80.7630** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.3143, 74.3248, 78.3512**, and the grayscale version is **68.3366, 71.8955, 78.2942**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1336, 37.7742, 42.9228** is the 20% darker color. If you saturate the color by 10%, you get **56.7477, 57.5520, 78.6398**, and if you desaturate by 10%, it is **82.0767, 88.0625, 83.1939**.

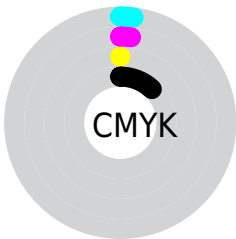
Distribution



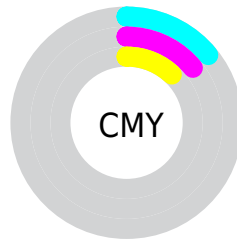
- Red (86%)
- Green (86%)
- Blue (88%)



- Red (86%)
- Yellow (86%)
- Blue (88%)



- Cyan (2%)
- Magenta (2%)
- Yellow (0%)
- Black (12%)



- Cyan (14%)
- Magenta (14%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5629, 71.7839, 80.7630 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 68.5629, 71.7839, 80.7630 by changing the saturation by 10% instead.

■ 68.5629, 71.7839,
80.7630

■ 68.5629, 71.7839,
80.7630

444.8333,
466.7891, 517.2749

■ 50.6312, 52.9822,
59.8166

116.1945,
121.7492, 136.2590

■ 36.1350, 37.7885,
42.8465

146.6252,
153.6816, 171.6457

■ 24.7091, 25.8186,
29.4342

181.9528,
190.7597, 212.6828

■ 15.9880, 16.6880,
19.1611

222.5427,
233.3679, 259.7890

■ 9.6065, 10.0123,
11.6088

268.7604,
281.8905, 313.3828

■ 5.1991, 5.4071,
6.3586

320.9712,

■ 2.4005, 2.4880,

336.7120, 373.8827

2.9920

379.5404,
398.2167, 441.7072

■ 0.8454, 0.8706,
1.0906

■ 0.0000, 0.0000,
0.0000

■ 68.5629, 71.7839,
80.7630

■ 68.5629, 71.7839,
80.7630

■ 56.7477, 57.5520,
78.6398

■ 82.0767, 88.0625,
83.1939

■ 46.5580, 45.2769,
76.8075

■ 90.4547, 98.1619,
84.7017

■ 37.9247, 34.8761,
75.2550

■ 30.7712, 26.2573,
73.9684

■ 25.0144, 19.3205,
72.9329

■ 20.5631, 13.9560,
72.1320

■ 17.3153, 10.0409,
71.5475

■ 15.1538, 7.4343,
71.1583

■ 13.9381, 5.9671,
70.9392

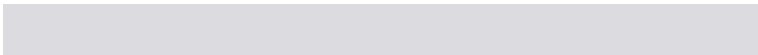
Harmonies

Analogous

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



68.0683, 71.7839, 80.8993



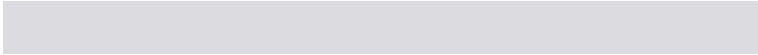
68.5629, 71.7839, 80.7630



68.9697, 71.7839, 79.9247

Triad

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



68.5629, 71.7839, 80.7630



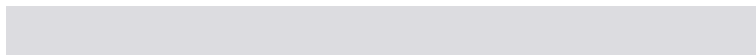
68.8417, 71.7839, 76.0642



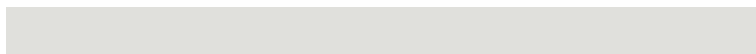
67.2874, 71.7839, 77.7025

Complementary

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



68.5629, 71.7839, 80.7630



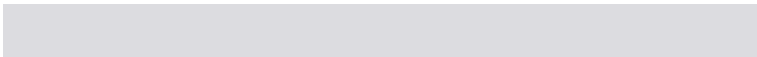
70.3143, 74.3248, 78.3512

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.



67.4925, 71.7839, 76.4224



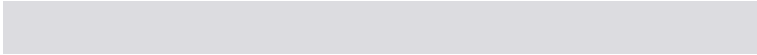
68.5629, 71.7839, 80.7630



68.3888, 71.7839, 75.4842

Square

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



68.5629, 71.7839, 80.7630



69.1312, 71.7839, 77.2081



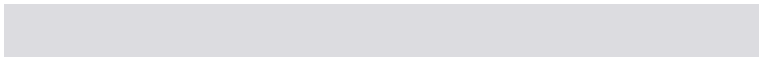
67.8951, 71.7839, 75.6144



67.3336, 71.7839, 79.1207

Rectangle

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



68.5629, 71.7839, 80.7630



69.1356, 71.7839, 79.0862



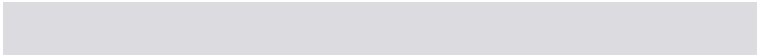
67.8951, 71.7839, 75.6144



67.3292, 71.7839, 77.2420

Sweetspot

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



68.5649, 71.7870, 80.7646



93.3108, 97.9050, 108.5873



69.6173, 73.9062, 81.0708



19.9907, 20.9778, 23.2454



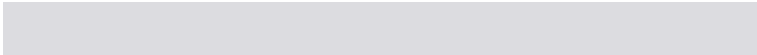
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



68.5649, 71.7870, 80.7646



91.5947, 95.8379, 108.2787



69.1525, 72.0883, 80.7918



14.9321, 15.6294, 17.6174



7.8335, 3.1365, 41.2409



0.5434, 0.2182, 2.8587

Inverse Universe

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



69.2534, 72.2022, 78.0003



92.6350, 96.4653, 104.1019



69.7195, 74.0198, 78.3237



15.0910, 15.7251, 16.9798



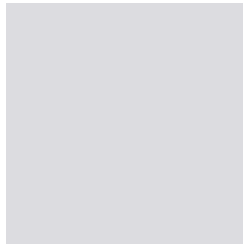
17.8942, 9.2247, 0.8426



1.2405, 0.6395, 0.0595

Previews

White Background



This preview shows how the XYZ color 68.5629, 71.7839, 80.7630 looks on a white background.

Color Contrast Check

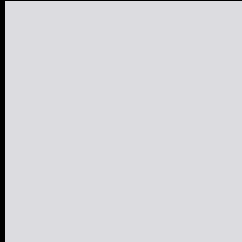
Large Text (above 18pt) WCAG AA × Fail

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 68.5629, 71.7839, 80.7630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

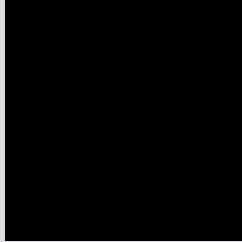
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

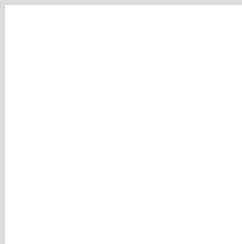
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.5629, 71.7839, 80.7630

Background



This preview shows how black text looks on a background with the XYZ color 68.5629, 71.7839, 80.7630.

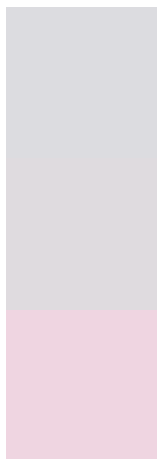


This preview shows how white text looks on a background with the XYZ color 68.5629, 71.7839,

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

68.5629, 71.7839, 80.7630

Protanopia

69.0822, 71.6787, 80.0064

Deuteranopia

72.9815, 71.3755, 81.1645



Tritanopia

70.1910, 71.6706, 88.7316

Trichromacy



Original Color

68.5629, 71.7839, 80.7630

Protanomaly

68.7750, 71.5203, 79.9920

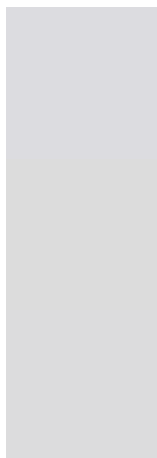
Deuteranomaly

71.4252, 71.7038, 81.3099

Tritanomaly

69.5741, 71.8047, 85.7941

Monochromacy



Original Color

68.5629, 71.7839, 80.7630

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.1595, 71.6225, 78.6387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5629, 71.7839, 80.7630 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, 224) looks like.

```
.text, #text, p{  
    color:rgb(220, 220, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 220, 224) }
```

Border

The CSS property to change the border of an element to XYZ 68.5629, 71.7839, 80.7630 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, 224) }
```


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

```
.border{ border-color:rgb(220, 220, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 220, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 220, 224);  
box-shadow:4px 4px 4px 4px rgb(220, 220,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5629, 71.7839, 80.7630 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, 224) }
```

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

```
.background{ background-color: rgb(220,  
220, 224) }
```

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