

Converting Colors

XYZ(71.2514, 74.4507, 87.6738)

Have a look what the booklet for
XYZ(71.2514, 74.4507, 87.6738)
contains.

XYZ(71.4878, 74.7241, 87.7462)	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(71.4878, 74.7241,
87.7462)**

Conversions

Conversions Part 1

Format	Color
Hex	DEE0E9
RGB	222, 224, 233
RGB Percent	87%, 88%, 91%
CMY	0.1294, 0.1215, 0.0863
CMYK	0.05, 0.04, 0.00, 0.09
HSL	229°, 20%, 89%
HSV	229°, 5%, 91%
XYZ	71.4878, 74.7241, 87.7462
YIQ	224.4280, -4.0810, 2.3750

Conversions

Conversions Part 2

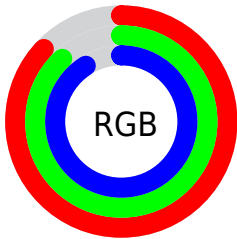
Format	Color
R _Y B	222, 224, 233
Decimal	14606569
CIE Lab	89.26, 0.99, -4.63
CIE LCh	89, 4.732, 282.046
Yxy	74.7241, 0.3056, 0.3194
Android (android.graphics.Color)	4292796649 (0xFFDEE0E9)
YUV	224.4280, 4.2260, -2.1294
Hunter-Lab	86.4431, -3.6573, 0.3264

Details

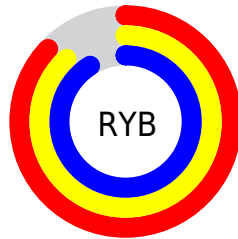
The XYZ color **71.4878, 74.7241, 87.7462** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.3651, 79.7485, 80.5292**, and the grayscale version is **71.1323, 74.8367, 81.4972**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0601, 39.7657, 47.2645** is the 20% darker color. If you saturate the color by 10%, you get **60.0015, 61.6231, 85.8240**, and if you desaturate by 10%, it is **84.5386, 89.4878, 89.9092**.

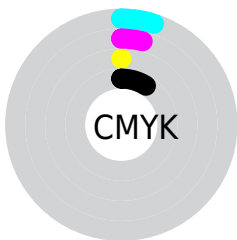
Distribution



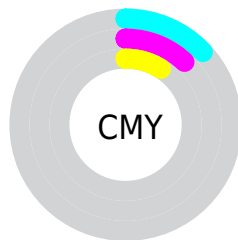
- Red (87%)
- Green (88%)
- Blue (91%)



- Red (87%)
- Yellow (88%)
- Blue (91%)



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (13%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4878, 74.7241, 87.7462 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 71.4878, 74.7241, 87.7462 by changing the saturation by 10% instead.

■ 71.4878, 74.7241,
87.7462

■ 71.4878, 74.7241,
87.7462

454.9422,
476.9687, 541.0515

■ 53.0243, 55.3869,
65.5498

120.3428,
125.9217, 146.1118

■ 38.0498, 39.7116,
47.4528

151.4650,
158.5510, 183.1180

■ 26.1987, 27.3137,
33.0369

187.5376,
196.3796, 225.8979

■ 17.1058, 17.8090,
21.8833

228.9257,
239.7922, 274.8700

■ 10.4057, 10.8129,
13.5737

275.9950,
289.1729, 330.4529

■ 5.7331, 5.9412,
7.6894

329.1105,

■ 2.7226, 2.8094,

344.9064, 393.0651

3.8120

388.6378,
407.3768, 463.1251

■ 1.0088, 1.0330,
1.5228

■ 0.0000, 0.0000,
0.2348

■ 71.4878, 74.7241,
87.7462

■ 71.4878, 74.7241,
87.7462

■ 60.0015, 61.6231,
85.8240

■ 84.5386, 89.4878,
89.9092

■ 50.0141, 50.1168,
84.1294

■ 91.7082, 98.6633,
91.3023

■ 41.4651, 40.1465,
82.6556

■ 34.2870, 31.6463,
81.3932

■ 28.4071, 24.5454,
80.3325

■ 23.7458, 18.7670,
79.4628

■ 20.2142, 14.2265,
78.7725

■ 17.7108, 10.8291,
78.2487

■ 16.1146, 8.4647,
77.8765

Harmonies

Analogous

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



70.3402, 74.7241, 87.5678



71.4878, 74.7241, 87.7462



72.5217, 74.7241, 86.1802

Triad

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



71.4878, 74.7241, 87.7462



72.6861, 74.7241, 77.1734



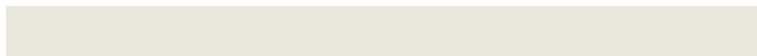
68.9299, 74.7241, 79.4157

Complementary

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



71.4878, 74.7241, 87.7462



75.3651, 79.7485, 80.5292

Split Complementary

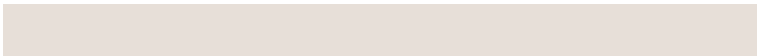
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.5451, 74.7241, 76.7265



71.4878, 74.7241, 87.7462



71.7103, 74.7241, 75.4563

Square

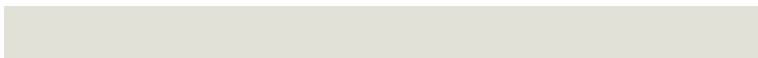
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.4878, 74.7241, 87.7462



73.2186, 74.7241, 80.0408



70.5602, 74.7241, 75.2949



68.8718, 74.7241, 82.6973

Rectangle

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



71.4878, 74.7241, 87.7462



73.0041, 74.7241, 84.3819



70.5602, 74.7241, 75.2949



69.0781, 74.7241, 78.4147

Sweetspot

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



71.4900, 74.7273, 87.7478



93.4564, 98.1962, 108.6358



73.6857, 79.5772, 87.0664



20.0203, 21.0370, 23.2553



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.



71.4900, 74.7273, 87.7478



85.7807, 89.4874, 107.3594



72.0326, 74.2123, 87.6198



15.1854, 15.8267, 19.1768



8.8889, 4.4248, 44.1285



0.7612, 0.4739, 3.4862

Inverse Universe

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



73.1817, 74.9494, 81.1344



88.4121, 89.8438, 97.0702



74.8031, 80.2961, 80.6645



15.7011, 15.8976, 17.1603



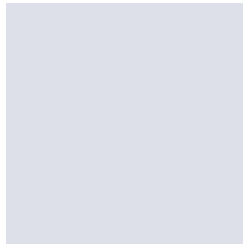
19.3420, 9.9395, 2.3364



1.5507, 0.7933, 0.3515

Previews

White Background



This preview shows how the XYZ color 71.4878, 74.7241, 87.7462 looks on a white background.

Color Contrast Check

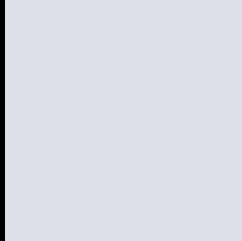
Large Text (above 18pt) WCAG AA × Fail

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 71.4878, 74.7241, 87.7462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

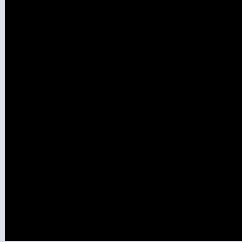
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

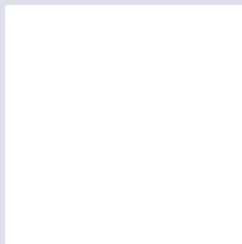
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.4878, 74.7241, 87.7462

Background



This preview shows how black text looks on a background with the XYZ color 71.4878, 74.7241, 87.7462.

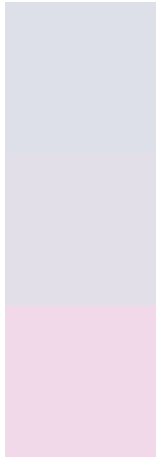


This preview shows how white text looks on a background with the XYZ color 71.4878, 74.7241,

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

71.4878, 74.7241, 87.7462

Protanopia

72.3172, 74.7703, 86.9645

Deuteranopia

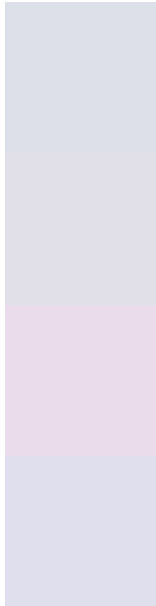
75.9398, 74.2670, 88.1744



Tritanopia

72.5473, 74.7546, 93.0435

Trichromacy



Original Color

71.4878, 74.7241, 87.7462

Protanomaly

72.0045, 74.6091, 86.9499

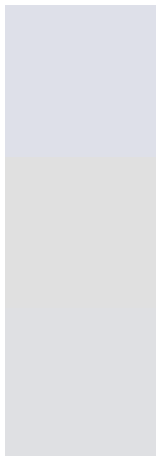
Deuteranomaly

74.3762, 74.6193, 88.3248

Tritanomaly

72.1052, 74.5778, 90.7154

Monochromacy



Original Color

71.4878, 74.7241, 87.7462

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.9522, 74.5453, 83.3222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4878, 74.7241, 87.7462 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(222, 224, 233) looks like.

```
.text, #text, p{  
    color:rgb(222, 224, 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(222, 224, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 224, 233) }
```

Border

The CSS property to change the border of an element to XYZ 71.4878, 74.7241, 87.7462 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(222, 224, 233) }
```


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

```
.border{ border-color:rgb(222, 224, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 224, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 224, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 224, 233);  
box-shadow:4px 4px 4px 4px rgb(222, 224,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4878, 74.7241, 87.7462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 224, 233) }
```

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

```
.background{ background-color: rgb(222,  
224, 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](#).

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