

# Converting Colors

XYZ(71.2974, 76.7001, 81.9282)

Have a look what the booklet for  
XYZ(71.2974, 76.7001, 81.9282)  
contains.

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# **Color**

**XYZ(71.4287, 76.8470,  
82.3024)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDE5E1
RGB	221, 229, 225
RGB Percent	87%, 90%, 88%
CMY	0.1333, 0.1019, 0.1176
CMYK	0.03, 0.00, 0.02, 0.10
HSL	150°, 13%, 88%
HSV	150°, 3%, 90%
XYZ	71.4287, 76.8470, 82.3024
YIQ	226.1520, -3.4840, -2.9400

# Conversions

## Conversions Part 2

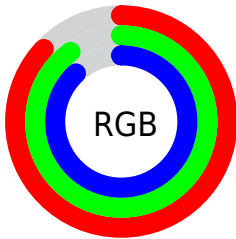
Format	Color
R <sub>Y</sub> B	221, 226, 229
Decimal	14542305
CIE Lab	90.25, -3.39, 1.01
CIE LCh	90, 3.540, 163.492
Yxy	76.8470, 0.3098, 0.3333
Android (android.graphics.Color)	4292732385 (0xFFDDE5E1)
YUV	226.1520, -0.5679, -4.5183
Hunter-Lab	87.6624, -7.9647, 5.6989

# Details

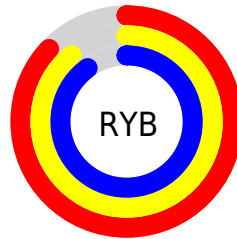
The XYZ color **71.4287, 76.8470, 82.3024** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.7630, 73.8091, 81.7022**, and the grayscale version is **72.4063, 76.1770, 82.9568**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.1176, 41.2814, 43.9893** is the 20% darker color. If you saturate the color by 10%, you get **63.4158, 72.8929, 74.0422**, and if you desaturate by 10%, it is **80.5019, 81.3399, 91.1628**.

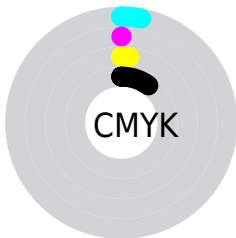
# Distribution



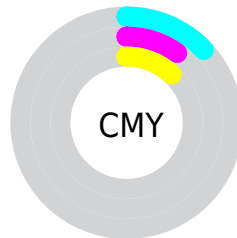
- Red (87%)
- Green (90%)
- Blue (88%)



- Red (87%)
- Yellow (89%)
- Blue (90%)



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)



- Cyan (13%)
- Magenta (10%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4287, 76.8470, 82.3024 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 71.4287, 76.8470, 82.3024 by changing the saturation by 10% instead.



■ 71.4287, 76.8470,  
82.3024

■ 71.4287, 76.8470,  
82.3024

454.7392,  
484.2422, 522.5686

■ 52.9759, 57.1273,  
61.0776

120.2591,  
128.9235, 138.4385

■ 38.0109, 41.1075,  
43.8568

151.3675,  
162.0491, 174.1868

■ 26.1684, 28.4031,  
30.2216

187.4251,  
200.4121, 215.6133

■ 17.0830, 18.6297,  
19.7534

228.7973,  
244.3969, 263.1367

■ 10.3894, 11.4030,  
12.0336

275.8495,  
294.3879, 317.1753

■ 5.7221, 6.3386,  
6.6437

328.9470,

■ 2.7159, 3.0520,

350.7696, 378.1478

3.1653

388.4551,  
413.9262, 446.4728

■ 1.0054, 1.1590,  
1.1796

■ 0.0000, 0.0278,  
0.0000

■ 71.4287, 76.8470,  
82.3024

■ 71.4287, 76.8470,  
82.3024

■ 63.4158, 72.8929,  
74.0422

■ 80.5019, 81.3399,  
91.1628

■ 56.4164, 69.4473,  
66.3646

■ 86.1905, 84.0734,  
100.4210

■ 50.3897, 66.4915,  
59.2582

■ 87.3108, 84.5216,  
106.3203

■ 45.2897, 64.0020,  
52.7097

■ 41.0663, 61.9533,  
46.7049

■ 37.6646, 60.3173,  
41.2291

■ 35.0231, 59.0627,  
36.2668

■ 33.0710, 58.1531,  
31.8017

■ 31.7229, 57.5450,  
27.8158

# Harmonies

## Analogous

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



71.8811, 76.8470, 80.2030



71.4287, 76.8470, 82.3024



71.4060, 76.8470, 84.8103

# Triad

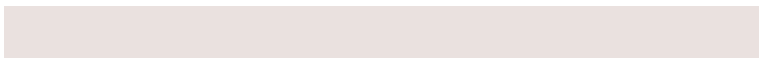
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.4287, 76.8470, 82.3024



73.4367, 76.8470, 88.4798



74.2765, 76.8470, 80.3787

# Complementary

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



71.4287, 76.8470, 82.3024



71.7630, 73.8091, 81.7022

# 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.



74.7003, 76.8470, 82.5466



71.4287, 76.8470, 82.3024



74.2128, 76.8470, 87.2423

# Square

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



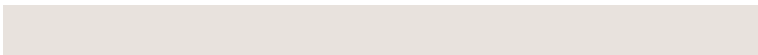
71.4287, 76.8470, 82.3024



72.5605, 76.8470, 88.4113



74.6769, 76.8470, 85.0594



73.5231, 76.8470, 79.1077

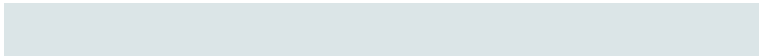


# Rectangle

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



71.4287, 76.8470, 82.3024



71.6372, 76.8470, 86.3790



74.6769, 76.8470, 85.0594



74.4625, 76.8470, 81.0248

# Sweetspot

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



71.4309, 76.8503, 82.3041



93.9133, 99.4377, 107.7783



72.1661, 77.2917, 79.5229



20.1133, 21.2897, 23.0809



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

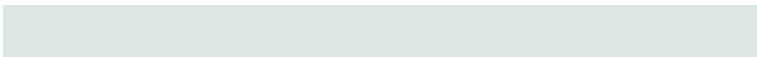
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.4309, 76.8503, 82.3041



90.5857, 97.7922, 104.4598



71.9650, 77.0639, 85.1169



15.3284, 16.6237, 17.6950



17.8320, 32.7649, 14.8817



1.3646, 2.4400, 1.3466

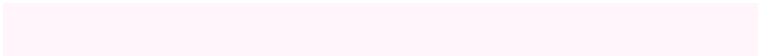


# Inverse Universe

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



71.7630, 73.8091, 81.7022



91.0719, 93.3399, 103.5786



71.2408, 73.6003, 78.9524



15.4255, 15.7351, 17.5191



20.2905, 10.2504, 10.4245

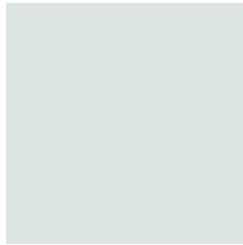


1.5463, 0.7762, 1.0172



# Previews

## White Background



This preview shows how the XYZ color 71.4287, 76.8470, 82.3024 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

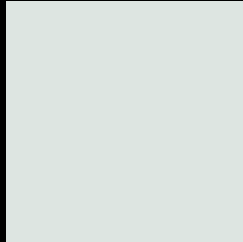
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.4287, 76.8470, 82.3024 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

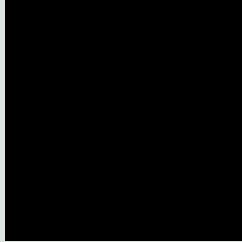
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

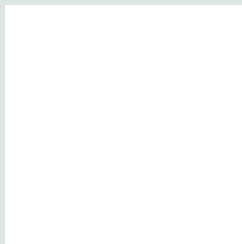
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.4287, 76.8470, 82.3024**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.4287, 76.8470, 82.3024.



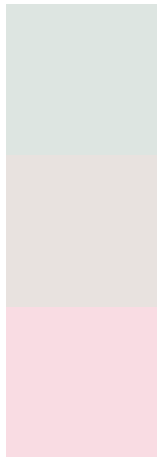
This preview shows how white text looks on a background with the XYZ color 71.4287, 76.8470,



# 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

71.4287, 76.8470, 82.3024

### Protanopia

73.7944, 76.8762, 80.7613

### Deuteranopia

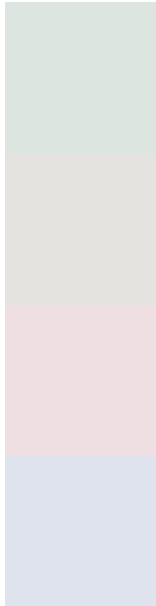
78.5252, 76.8722, 83.3721



## Tritanopia

74.2660, 76.7717, 96.4921

# Trichromacy



## Original Color

71.4287, 76.8470, 82.3024

## Protanomaly

72.9185, 76.8140, 81.5044

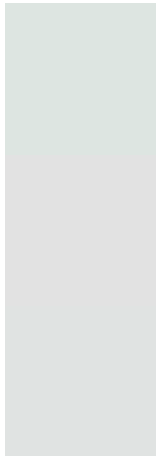
## Deuteranomaly

75.7117, 76.6171, 82.7496

## Tritanomaly

73.1866, 76.7406, 91.0758

# Monochromacy



## Original Color

71.4287, 76.8470, 82.3024

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

71.9370, 76.2765, 82.8828

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.4287, 76.8470, 82.3024 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(221, 229, 225) looks like.

```
.text, #text, p{  
    color:rgb(221, 229, 225)  
}
```

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(221, 229, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 229, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 71.4287, 76.8470, 82.3024 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(221, 229, 225) }
```



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

```
.border{ border-color:rgb(221, 229, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 229, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 229, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 229, 225);  
box-shadow:4px 4px 4px 4px rgb(221, 229,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.4287, 76.8470, 82.3024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 229, 225) }
```

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

```
.background{ background-color: rgb(221,  
229, 225) }
```

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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