

# Converting Colors

XYZ(74.6895, 81.6672, 87.1738)

Have a look what the booklet for  
XYZ(74.6895, 81.6672, 87.1738)  
contains.

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# Color

**XYZ(74.8322, 81.8675,  
87.4592)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEEDE7
RGB	222, 237, 231
RGB Percent	87%, 93%, 91%
CMY	0.1294, 0.0706, 0.0941
CMYK	0.06, 0.00, 0.03, 0.07
HSL	156°, 29%, 90%
HSV	156°, 6%, 93%
XYZ	74.8322, 81.8675, 87.4592
YIQ	231.8310, -7.0140, -5.0460

# Conversions

## Conversions Part 2

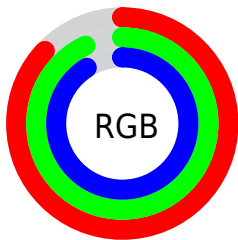
Format	Color
RYP	222, 231, 237
Decimal	14609895
CIELab	92.52, -6.05, 1.18
CIELCh	93, 6.164, 168.933
Yxy	81.8675, 0.3065, 0.3353
Android (android.graphics.Color)	4292799975 (0xFFDEEDE7)
YUV	231.8310, -0.4097, -8.6218
Hunter-Lab	90.4807, -10.7124, 6.0264

# Details

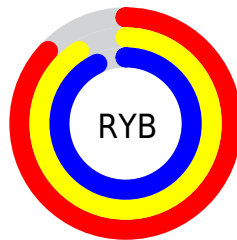
The XYZ color **74.8322, 81.8675, 87.4592** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.0529, 75.8507, 84.0877**, and the grayscale version is **76.5841, 80.5724, 87.7433**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1981, 44.3584, 47.0008** is the 20% darker color. If you saturate the color by 10%, you get **66.7742, 77.8663, 80.2792**, and if you desaturate by 10%, it is **83.9878, 86.4307, 95.0729**.

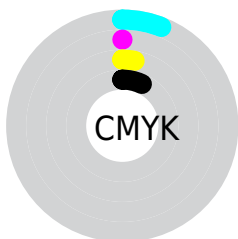
# Distribution



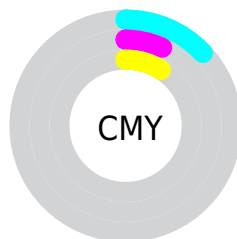
- Red (87%)
- Green (93%)
- Blue (91%)



- Red (87%)
- Yellow (91%)
- Blue (93%)



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8322, 81.8675, 87.4592 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 74.8322, 81.8675, 87.4592 by changing the saturation by 10% instead.



■ 74.8322, 81.8675,  
87.4592

■ 74.8322, 81.8675,  
87.4592

466.3467,  
501.2044, 540.0859

■ 55.7691, 61.2563,  
65.3135

125.0640,  
135.9882, 145.7085

■ 40.2541, 44.4321,  
47.2624

156.9634,  
170.2665, 182.6492

■ 27.9218, 31.0103,  
32.8873

193.8723,  
209.8692, 225.3587

■ 18.4069, 20.6067,  
21.7697

236.1561,  
255.1809, 274.2554

■ 11.3440, 12.8368,  
13.4911

284.1800,  
306.5859, 329.7579

■ 6.3677, 7.3163,  
7.6329

338.3096,

■ 3.1127, 3.6607,

364.4685, 392.2849

3.7766

398.9100,  
429.2132, 462.2547

■ 1.2136, 1.4856,  
1.5036

■ 0.1171, 0.2786,  
0.2206

■ 74.8322, 81.8675,  
87.4592

■ 74.8322, 81.8675,  
87.4592

■ 66.7742, 77.8663,  
80.2792

■ 83.9878, 86.4307,  
95.0729

■ 59.7634, 74.3945,  
73.5195

■ 88.7763, 88.7317,  
102.8652

■ 53.7557, 71.4316,  
67.1737

■ 89.5758, 89.0515,  
107.0753

■ 48.7009, 68.9521,  
61.2332

■ 44.5447, 66.9279,  
55.6889

■ 41.2266, 65.3281,  
50.5316

■ 38.6786, 64.1177,  
45.7512

■ 36.8212, 63.2559,  
41.3370

■ 35.5555, 62.6920,  
37.2773

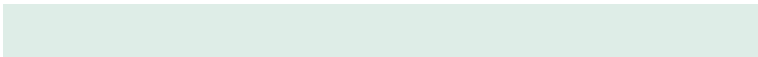
# Harmonies

## Analogous

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



75.5161, 81.8675, 83.4760



74.8322, 81.8675, 87.4592



74.9387, 81.8675, 92.0293

# Triad

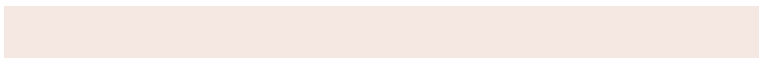
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.8322, 81.8675, 87.4592



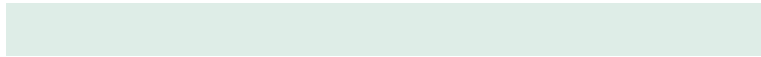
78.8151, 81.8675, 97.7364



79.8512, 81.8675, 82.6605

# Complementary

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



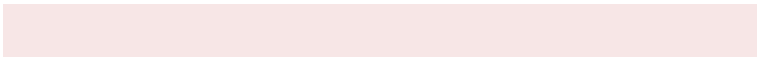
74.8322, 81.8675, 87.4592



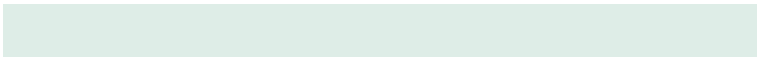
75.0529, 75.8507, 84.0877

# 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.



80.7591, 81.8675, 86.3114



74.8322, 81.8675, 87.4592



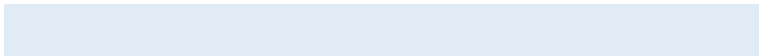
80.1552, 81.8675, 95.0542

# Square

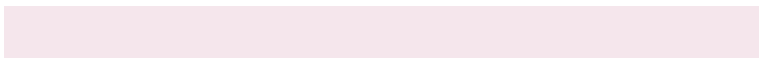
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



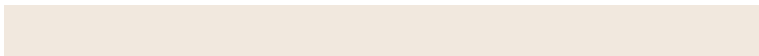
74.8322, 81.8675, 87.4592



77.2236, 81.8675, 98.0694



80.8711, 81.8675, 90.8418



78.4046, 81.8675, 80.7694



# Rectangle

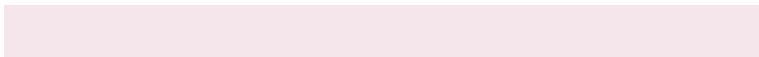
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



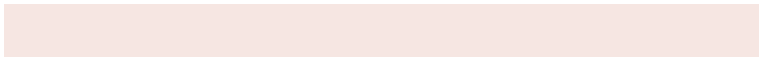
74.8322, 81.8675, 87.4592



75.4439, 81.8675, 94.7921



80.8711, 81.8675, 90.8418



80.2304, 81.8675, 83.7168

# Sweetspot

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



74.8345, 81.8710, 87.4610



92.8716, 98.9148, 107.0921



75.5461, 82.3810, 81.0279



19.9012, 21.1832, 22.9412



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

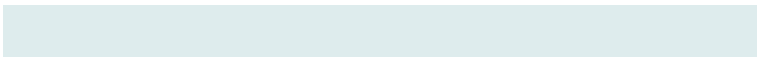
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.8345, 81.8710, 87.4610



86.6524, 95.8195, 101.7917



75.3366, 81.4946, 91.8843



15.2477, 17.0139, 17.9872



19.2730, 34.1637, 19.9345



1.5607, 2.7016, 1.8144



# Inverse Universe

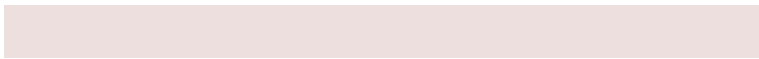
The Inverse Universe completely reimagines the original color for something new.



75.0529, 75.8507, 84.0877



86.9758, 86.9046, 96.7967



74.5670, 76.1896, 79.8844



15.3152, 15.1539, 16.9451



20.2521, 10.3035, 7.1291

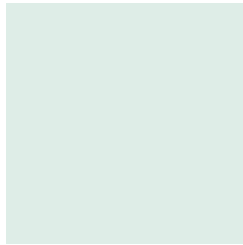


1.6366, 0.8276, 0.8039



# Previews

## White Background



This preview shows how the XYZ color 74.8322, 81.8675, 87.4592 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

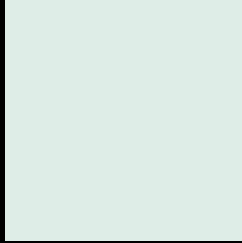
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.8322, 81.8675, 87.4592 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

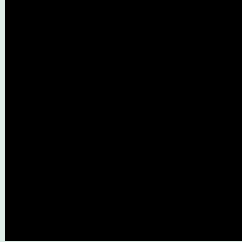
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

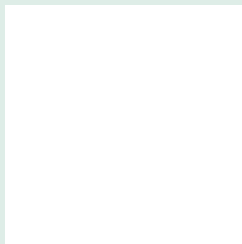
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 74.8322, 81.8675, 87.4592

## Background



This preview shows how black text looks on a background with the XYZ color 74.8322, 81.8675, 87.4592.



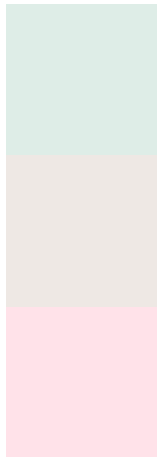
This preview shows how white text looks on a background with the XYZ color 74.8322, 81.8675,

87.4592.

# 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

74.8322, 81.8675, 87.4592

### Protanopia

78.1201, 81.4918, 85.0109

### Deuteranopia

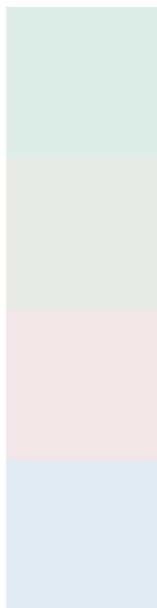
83.1443, 81.5359, 88.4466



## **Tritanopia**

78.0448, 81.8815, 103.7868

# Trichromacy



## Original Color

74.8322, 81.8675, 87.4592

## Protanomaly

76.8444, 81.6586, 85.8403

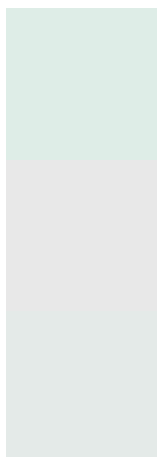
## Deuteranomaly

79.8245, 81.4745, 87.8629

## Tritanomaly

76.7779, 81.7956, 97.3295

# Monochromacy



## Original Color

74.8322, 81.8675, 87.4592

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.9832, 81.1658, 88.0058

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.8322, 81.8675, 87.4592 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, 237, 231)` looks like.

```
.text, #text, p{  
    color:rgb(222, 237, 231)  
}
```

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, 237, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 237, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 74.8322, 81.8675, 87.4592 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, 237, 231) }
```



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

```
.border{ border-color:rgb(222, 237, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 237, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 237, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 237, 231);  
box-shadow:4px 4px 4px 4px rgb(222, 237,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.8322, 81.8675, 87.4592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 237, 231) }
```

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

```
.background{ background-color: rgb(222,  
237, 231) }
```

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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