

# Converting Colors

XYZ(74.7206, 82.1546, 86.9983)

Have a look what the booklet for  
XYZ(74.7206, 82.1546, 86.9983)  
contains.

<b>XYZ(74.6763, 82.2344, 86.7999)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(74.6763, 82.2344,  
86.7999)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDEEE6
RGB	221, 238, 230
RGB Percent	87%, 93%, 90%
CMY	0.1333, 0.0666, 0.0980
CMYK	0.07, 0.00, 0.03, 0.07
HSL	152°, 33%, 90%
HSV	152°, 7%, 93%
XYZ	74.6763, 82.2344, 86.7999
YIQ	232.0050, -7.5640, -6.0920

# Conversions

## Conversions Part 2

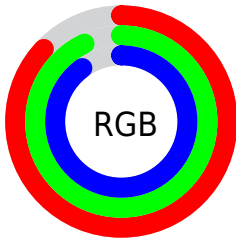
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 232, 238
Decimal	14544614
CIE Lab	92.68, -7.07, 1.93
CIE LCh	93, 7.327, 164.722
Yxy	82.2344, 0.3064, 0.3374
Android (android.graphics.Color)	4292734694 (0xFFDDEEE6)
YUV	232.0050, -0.9885, -9.6514
Hunter-Lab	90.6832, -11.7034, 6.7272

# Details

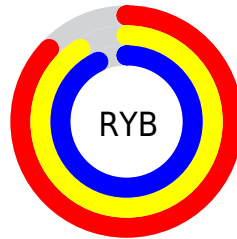
The XYZ color **74.6763, 82.2344, 86.7999** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.2622, 75.5494, 84.7485**, and the grayscale version is **76.7187, 80.7140, 87.8976**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1917, 44.6580, 47.0590** is the 20% darker color. If you saturate the color by 10%, you get **66.4145, 78.1536, 78.4637**, and if you desaturate by 10%, it is **84.0712, 86.8923, 95.7204**.

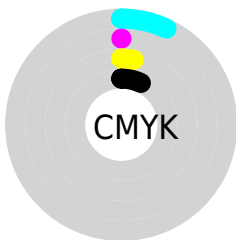
# Distribution



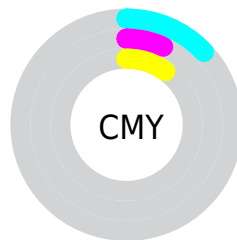
- Red (87%)
- Green (93%)
- Blue (90%)



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



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



- Cyan (13%)
- Magenta (7%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.6763, 82.2344, 86.7999 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 74.6763, 82.2344, 86.7999 by changing the saturation by 10% instead.



■ 74.6763, 82.2344,  
86.7999

■ 74.6763, 82.2344,  
86.7999

465.8186,  
502.4314, 537.8642

■ 55.6410, 61.5588,  
64.7709

124.8444,  
136.5027, 144.7816

■ 40.1510, 44.6763,  
46.8252

156.7079,  
170.8641, 181.5714

■ 27.8410, 31.2025,  
32.5441

193.5782,  
210.5562, 224.1187

■ 18.3457, 20.7531,  
21.5092

235.8206,  
255.9635, 272.8418

■ 11.2997, 12.9436,  
13.3019

283.8005,  
307.4702, 328.1594

■ 6.3375, 7.3898,  
7.5036

337.8832,

■ 3.0940, 3.7070,

365.4608, 390.4899

3.6958

398.4341,  
430.3198, 460.2521

■ 1.2037, 1.5111,  
1.4600

■ 0.1093, 0.2965,  
0.1879

■ 74.6763, 82.2344,  
86.7999

■ 74.6763, 82.2344,  
86.7999

■ 66.4145, 78.1536,  
78.4637

■ 84.0712, 86.8923,  
95.7204

■ 59.2339, 74.6164,  
70.6945

■ 89.4515, 89.4663,  
104.9887

■ 53.0889, 71.6018,  
63.4817

■ 89.8661, 89.6322,  
107.1720

■ 47.9278, 69.0834,  
56.8124

■ 43.6942, 67.0324,  
50.6733

■ 40.3258, 65.4169,  
45.0502

■ 37.7521, 64.2008,  
39.9283

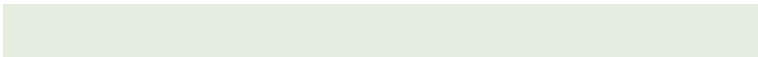
■ 35.8907, 63.3419,  
35.2918

■ 34.6353, 62.7857,  
31.1232

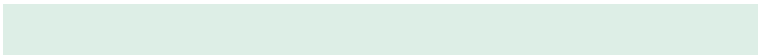
# Harmonies

## Analogous

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



75.6087, 82.2344, 82.2812



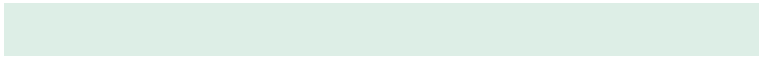
74.6763, 82.2344, 86.7999



74.6674, 82.2344, 92.2354

# Triad

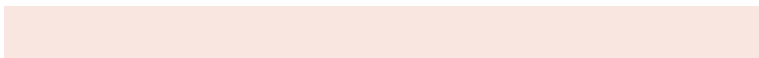
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.6763, 82.2344, 86.7999



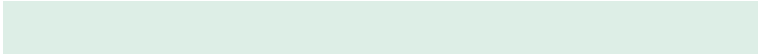
79.0972, 82.2344, 100.0877



80.7964, 82.2344, 82.3493

# Complementary

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



74.6763, 82.2344, 86.7999



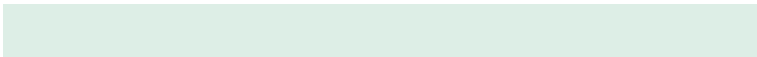
75.2622, 75.5494, 84.7485

# 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.



81.7626, 82.2344, 86.8962



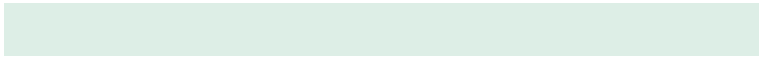
74.6763, 82.2344, 86.7999



80.7708, 82.2344, 97.2121

# Square

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



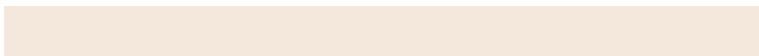
74.6763, 82.2344, 86.7999



77.1989, 82.2344, 100.0593



81.7531, 82.2344, 92.3357

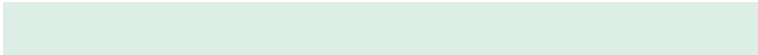


79.1318, 82.2344, 79.7837



# Rectangle

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



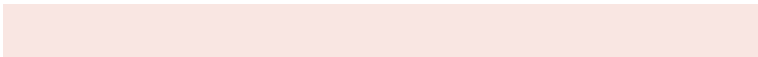
74.6763, 82.2344, 86.7999



75.1853, 82.2344, 95.6568



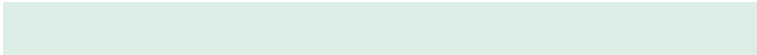
81.7531, 82.2344, 92.3357



81.2149, 82.2344, 83.6883

# Sweetspot

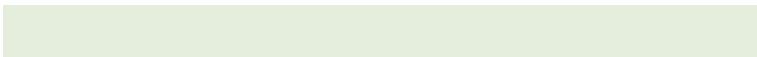
The Sweet Spot groups the original color and five complimentary colors.



74.6786, 82.2379, 86.8017



92.8144, 98.8919, 106.7905



76.0109, 83.0670, 80.4352



19.8895, 21.1785, 22.8798



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

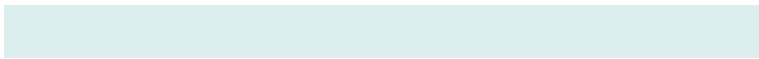
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.6786, 82.2379, 86.8017



85.4141, 95.2278, 99.6242



75.7464, 82.5331, 92.8313



15.9155, 17.7962, 18.5781



19.2235, 34.9814, 17.0919



1.6495, 2.9302, 1.6865



# Inverse Universe

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



75.2622, 75.5494, 84.7485



86.2661, 85.4635, 96.6268



74.2449, 75.2623, 79.0218



16.0825, 15.8827, 17.9907



21.3682, 10.8197, 9.8555

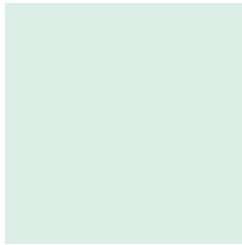


1.8275, 0.9200, 1.0825



# Previews

## White Background



This preview shows how the XYZ color 74.6763, 82.2344, 86.7999 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

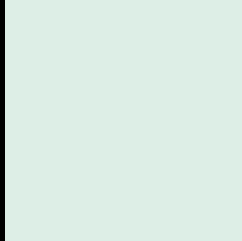
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.6763, 82.2344, 86.7999 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

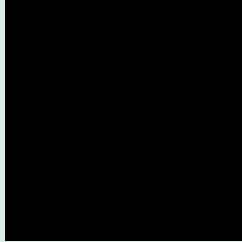
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

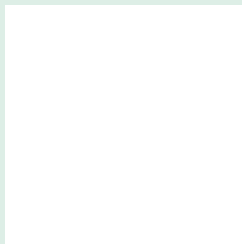
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.6763, 82.2344, 86.7999**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.6763, 82.2344, 86.7999.



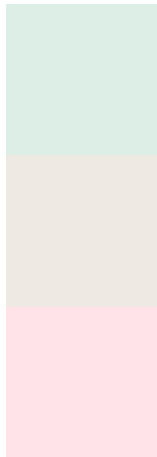
This preview shows how white text looks on a background with the XYZ color 74.6763, 82.2344,

86.7999.

# 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

74.6763, 82.2344, 86.7999

### Protanopia

78.6006, 82.1746, 84.3916

### Deuteranopia

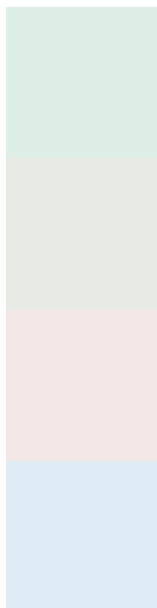
83.2746, 82.0244, 87.7872



## Tritanopia

78.4893, 82.5161, 104.7189

# Trichromacy



## Original Color

74.6763, 82.2344, 86.7999

## Protanomaly

76.9906, 82.1739, 85.2021

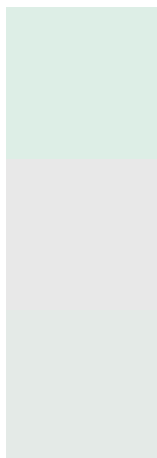
## Deuteranomaly

79.9619, 81.9760, 87.2098

## Tritanomaly

77.2174, 82.4308, 98.2271

# Monochromacy



## Original Color

74.6763, 82.2344, 86.7999

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.8415, 81.1091, 87.2597

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.6763, 82.2344, 86.7999 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, 238, 230)` looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 230)  
}
```

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, 238, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 74.6763, 82.2344, 86.7999 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, 238, 230) }
```



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

```
.border{ border-color:rgb(221, 238, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 238, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 238, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 238, 230);  
box-shadow:4px 4px 4px 4px rgb(221, 238,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.6763, 82.2344, 86.7999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 238, 230) }
```

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

```
.background{ background-color: rgb(221,  
238, 230) }
```

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