

# Converting Colors

XYZ(74.2212, 86.6255, 74.5887)

Have a look what the booklet for  
XYZ(74.2212, 86.6255, 74.5887)  
contains.

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# Color

**XYZ(74.2387, 86.7434,  
74.4584)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAF8D3
RGB	218, 248, 211
RGB Percent	85%, 97%, 83%
CMY	0.1451, 0.0274, 0.1725
CMYK	0.12, 0.00, 0.15, 0.03
HSL	109°, 73%, 90%
HSV	109°, 15%, 97%
XYZ	74.2387, 86.7434, 74.4584
YIQ	234.8120, -6.0030, -17.8670

# Conversions

## Conversions Part 2

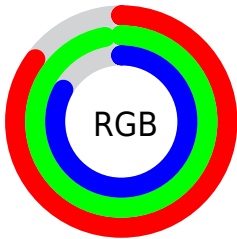
Format	Color
<b>R<sub>YB</sub></b>	211, 248, 241
Decimal	14350547
CIE <sub>Lab</sub>	94.63, -16.38, 14.54
CIE <sub>LCh</sub>	95, 21.901, 138.414
Yxy	86.7434, 0.3153, 0.3684
Android (android.graphics.Color)	4292540627 (0xFFDAF8D3)
YUV	234.8120, -11.7393, -14.7441
Hunter-Lab	93.1361, -20.7061, 17.7954

# Details

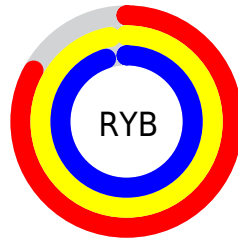
The XYZ color **74.2387, 86.7434, 74.4584** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.5168, 72.0691, 98.6894**, and the grayscale version is **78.9144, 83.0241, 90.4132**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.9546, 47.8861, 38.5896** is the 20% darker color. If you saturate the color by 10%, you get **65.7136, 82.6830, 59.0627**, and if you desaturate by 10%, it is **83.9779, 91.3792, 92.4184**.

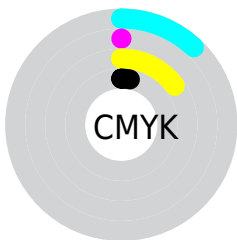
# Distribution



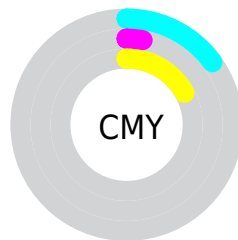
- Red (85%)
- Green (97%)
- Blue (83%)



- Red (83%)
- Yellow (97%)
- Blue (95%)



- Cyan (12%)
- Magenta (0%)
- Yellow (15%)
- Black (3%)




- Cyan (15%)
- Magenta (3%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.2387, 86.7434, 74.4584 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 74.2387, 86.7434, 74.4584 by changing the saturation by 10% instead.




 74.2387, 86.7434,  
74.4584

 74.2387, 86.7434,  
74.4584


464.3344,  
517.3793, 495.2596

 55.2814, 65.2829,  
54.6702

124.2278,  
142.8064, 127.2854

 39.8618, 47.6905,  
38.7410


155.9903,  
178.1777, 161.1614

 27.6145, 33.5818,  
26.2520


192.7520,  
218.9547, 200.5704

 18.1743, 22.5725,  
16.7848

234.8781,  
265.5219, 245.9310

 11.1756, 14.2782,  
9.9208

282.7340,  
318.2635, 297.6616

 6.2532, 8.3144,  
5.2416

336.6852,

 3.0418, 4.2968,

377.5640, 356.1809

2.3285

397.0968,  
443.8078, 421.9074

■ 1.1759, 1.8409,  
0.7471

■ 0.0872, 0.5125,  
0.0000

■ 74.2387, 86.7434,  
74.4584

■ 74.2387, 86.7434,  
74.4584

■ 65.7136, 82.6830,  
59.0627

■ 83.9779, 91.3792,  
92.4184

■ 58.3477, 79.1648,  
46.1090

■ 92.8591, 95.6183,  
108.1697

■ 52.0920, 76.1689,  
35.4734

■ 46.8916, 73.6697,  
27.0191

■ 42.6865, 71.6397,  
20.5947

■ 39.4105, 70.0485,  
16.0296

■ 36.9888, 68.8619,  
13.1254

■ 35.3336, 68.0398,  
11.6380

■ 34.7373, 67.7405,  
11.2444

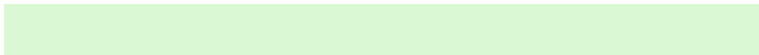
# Harmonies

## Analogous

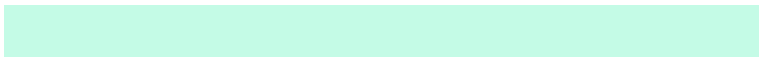
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9104, 86.7434, 66.8211



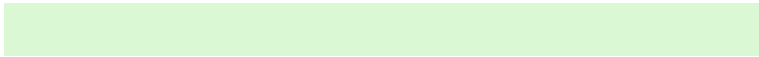
74.2387, 86.7434, 74.4584



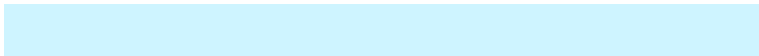
71.8116, 86.7434, 88.0642

# Triad

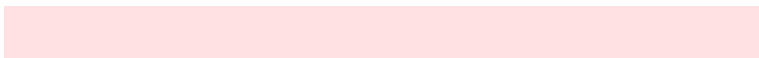
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.2387, 86.7434, 74.4584



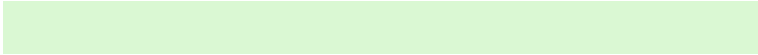
80.1865, 86.7434, 130.0395



93.7019, 86.7434, 84.5401

# Complementary

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



74.2387, 86.7434, 74.4584



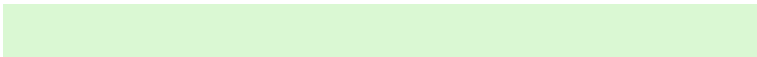
76.5168, 72.0691, 98.6894

# 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.



94.0838, 86.7434, 101.1347



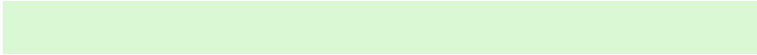
74.2387, 86.7434, 74.4584



86.0877, 86.7434, 128.8022

# Square

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



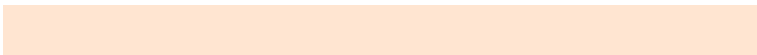
74.2387, 86.7434, 74.4584



75.1344, 86.7434, 120.9329



91.2391, 86.7434, 117.7307

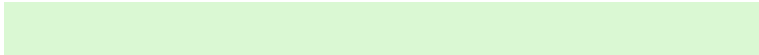


90.2193, 86.7434, 72.1445

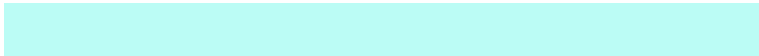


# Rectangle

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



74.2387, 86.7434, 74.4584



71.7121, 86.7434, 99.2898



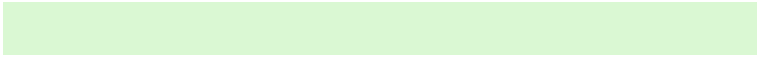
91.2391, 86.7434, 117.7307



94.2030, 86.7434, 89.7678

# Sweetspot

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



74.2410, 86.7471, 74.4603



90.4733, 97.8253, 100.3399



81.8100, 87.3377, 74.1754



19.1859, 20.8535, 21.1433



0.0000, 0.0000, 0.0000

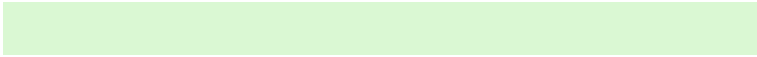


20.3446, 21.4041, 23.3091

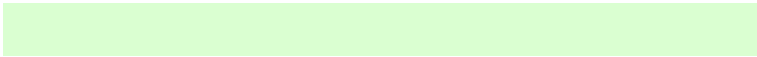


# Same Dimension

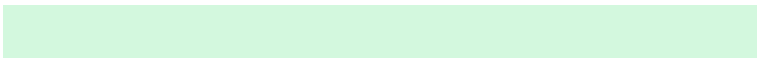
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.2410, 86.7471, 74.4603



76.1293, 91.0002, 73.9389



73.6323, 86.2669, 81.9501



17.3237, 19.4671, 18.3069



18.8500, 36.6358, 6.0779



1.8252, 3.4340, 0.5666



# Inverse Universe

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



76.5168, 72.0691, 98.6894



78.9927, 72.5204, 104.4422



77.2803, 72.6559, 89.9985



17.6523, 17.3489, 21.8036



22.2911, 10.4342, 48.8127



2.1446, 1.0077, 4.5246



# Previews

## White Background



This preview shows how the XYZ color 74.2387, 86.7434, 74.4584 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 74.2387, 86.7434, 74.4584 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

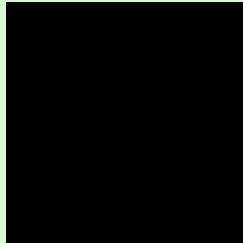
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

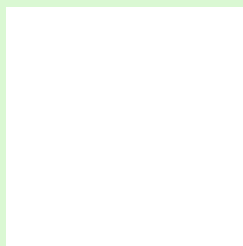
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.2387, 86.7434, 74.4584**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.2387, 86.7434, 74.4584.



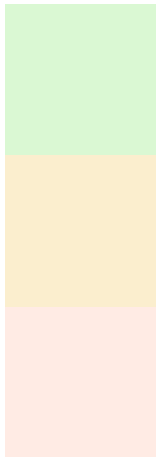
This preview shows how white text looks on a background with the XYZ color 74.2387, 86.7434,

74.4584.

# 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

74.2387, 86.7434, 74.4584

### Protanopia

81.4988, 86.1145, 70.7188

### Deuteranopia

84.9519, 86.2781, 85.5747



## Tritanopia

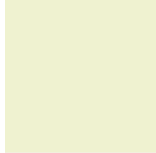
81.8184, 86.7886, 107.0473

# Trichromacy



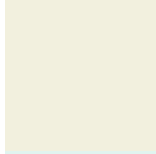
## Original Color

74.2387, 86.7434, 74.4584



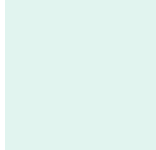
## Protanomaly

78.7339, 86.4091, 72.2034



## Deuteranomaly

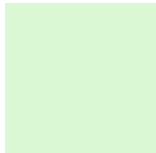
80.9629, 86.4713, 81.5307



## Tritanomaly

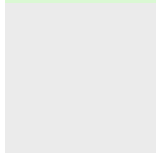
78.9820, 86.9409, 94.2798

# Monochromacy



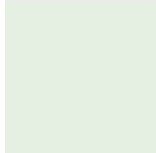
## Original Color

74.2387, 86.7434, 74.4584



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

77.2007, 84.4692, 84.1868

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.2387, 86.7434, 74.4584 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(218, 248, 211)` looks like.

```
.text, #text, p{  
    color:rgb(218, 248, 211)  
}
```

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(218, 248, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 248, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 74.2387, 86.7434, 74.4584 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(218, 248, 211) }
```



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

```
.border{ border-color:rgb(218, 248, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 248, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 248, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 248, 211);  
box-shadow:4px 4px 4px 4px rgb(218, 248,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.2387, 86.7434, 74.4584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 248, 211) }
```

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

```
.background{ background-color: rgb(218,  
248, 211) }
```

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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