

# Converting Colors

XYZ(74.8752, 84.8632, 77.2272)

Have a look what the booklet for  
XYZ(74.8752, 84.8632, 77.2272)  
contains.

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# Color

**XYZ(74.8767, 84.7470,  
77.3771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFF3D8
RGB	223, 243, 216
RGB Percent	87%, 95%, 85%
CMY	0.1255, 0.0470, 0.1529
CMYK	0.08, 0.00, 0.11, 0.05
HSL	104°, 53%, 90%
HSV	104°, 11%, 95%
XYZ	74.8767, 84.7470, 77.3771
YIQ	233.9420, -3.2530, -12.6370

# Conversions

## Conversions Part 2

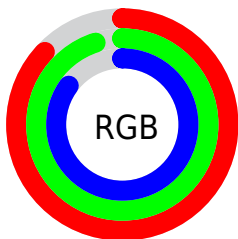
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 243, 236
Decimal	14676952
CIE Lab	93.77, -11.38, 10.79
CIE LCh	94, 15.681, 136.525
Yxy	84.7470, 0.3159, 0.3576
Android (android.graphics.Color)	4292867032 (0xFFDFF3D8)
YUV	233.9420, -8.8454, -9.5961
Hunter-Lab	92.0581, -15.9164, 14.6060

# Details

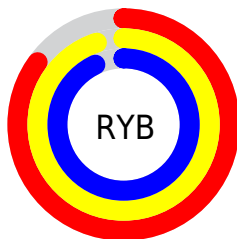
The XYZ color **74.8767, 84.7470, 77.3771** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **75.3288, 73.4179, 94.9992**, and the grayscale version is **78.2314, 82.3056, 89.6307**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3518, 46.4387, 40.5550** is the 20% darker color. If you saturate the color by 10%, you get **66.7104, 80.8761, 61.7905**, and if you desaturate by 10%, it is **84.1021, 89.1150, 95.4421**.

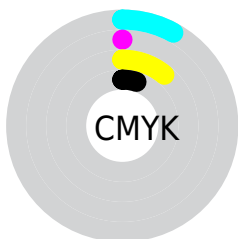
# Distribution



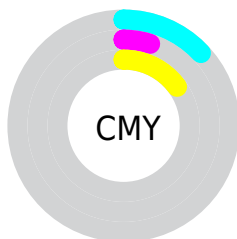
- Red (87%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (93%)



- Cyan (8%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)




- Cyan (13%)
- Magenta (5%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8767, 84.7470, 77.3771 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 74.8767, 84.7470, 77.3771 by changing the saturation by 10% instead.




 74.8767, 84.7470,  
77.3771

 74.8767, 84.7470,  
77.3771


466.4974,  
510.7905, 505.5206

 55.8057, 63.6324,  
57.0490


125.1267,  
140.0196, 131.4495

 40.2836, 46.3530,  
40.6350

157.0363,  
174.9464, 166.0310

 27.9449, 32.5244,  
27.7164


193.9563,  
215.2461, 206.2006

 18.4244, 21.7624,  
17.8748

236.2518,  
261.3029, 252.3769

 11.3566, 13.6824,  
10.6916

284.2883,  
313.5014, 304.9786

 6.3763, 7.9001,  
5.7483

338.4312,

 3.1180, 4.0311,

372.2259, 364.4240

2.6264

399.0458,  
437.8608, 431.1319

■ 1.2165, 1.6910,  
0.9060

■ 0.1193, 0.4178,  
0.0000

■ 74.8767, 84.7470,  
77.3771

■ 74.8767, 84.7470,  
77.3771

■ 66.7104, 80.8761,  
61.7905

■ 84.1021, 89.1150,  
95.4421

■ 59.5575, 77.4739,  
48.5687

■ 91.3422, 92.5845,  
107.6641

■ 53.3792, 74.5253,  
37.5979

■ 48.1316, 72.0104,  
28.7523

■ 43.7669, 69.9076,  
21.8942

■ 40.2332, 68.1935,  
16.8694

■ 37.4721, 66.8418,  
13.5010

■ 35.4167, 65.8226,  
11.5772

■ 34.1015, 65.1609,  
10.7800

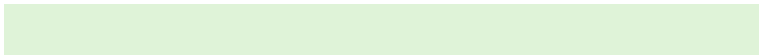
# Harmonies

## Analogous

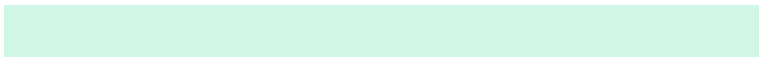
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2931, 84.7470, 71.9873



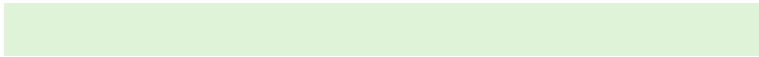
74.8767, 84.7470, 77.3771



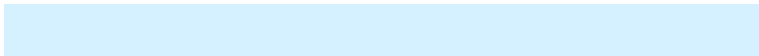
73.0099, 84.7470, 87.0331

# Triad

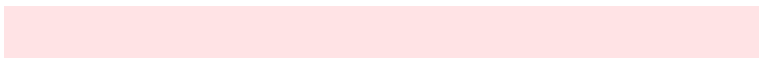
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.8767, 84.7470, 77.3771



78.6977, 84.7470, 116.4243



88.4736, 84.7470, 85.9041

# Complementary

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



74.8767, 84.7470, 77.3771



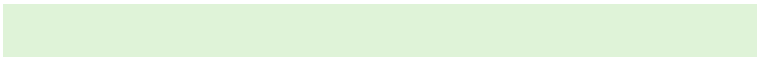
75.3288, 73.4179, 94.9992

# 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.



88.5910, 84.7470, 97.7235



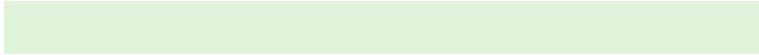
74.8767, 84.7470, 77.3771



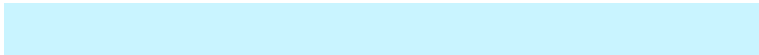
82.8488, 84.7470, 116.0558

# Square

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



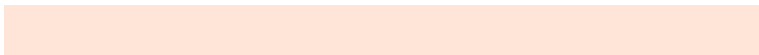
74.8767, 84.7470, 77.3771



75.1641, 84.7470, 109.9393



86.5018, 84.7470, 108.9722

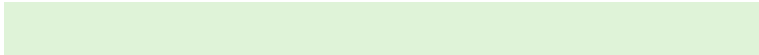


86.1862, 84.7470, 76.6122

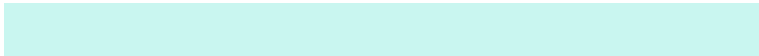


# Rectangle

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



74.8767, 84.7470, 77.3771



72.8521, 84.7470, 94.9059



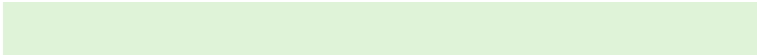
86.5018, 84.7470, 108.9722



88.7708, 84.7470, 89.6934

# Sweetspot

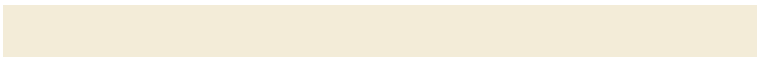
The Sweet Spot groups the original color and five complimentary colors.



74.8790, 84.7506, 77.3789



91.7883, 98.4580, 102.4457



79.2982, 83.8920, 76.9803



19.4639, 20.9877, 21.5677



0.0000, 0.0000, 0.0000

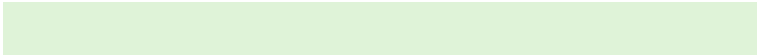


20.3446, 21.4041, 23.3091

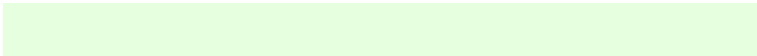


# Same Dimension

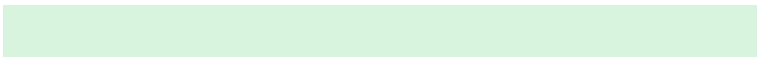
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.8790, 84.7506, 77.3789



81.7001, 93.6822, 82.7783



73.5971, 83.9939, 81.6536



16.6849, 18.6796, 17.5237



18.8214, 35.8156, 5.9211



1.7464, 3.1953, 0.5247



# Inverse Universe

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



75.3288, 73.4179, 94.9992



82.2805, 79.0495, 105.5292



76.7633, 74.2655, 90.1835



16.7699, 16.5395, 20.8511



19.3433, 8.9461, 47.2453

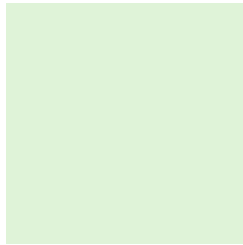


1.7955, 0.8355, 4.1569



# Previews

## White Background



This preview shows how the XYZ color 74.8767, 84.7470, 77.3771 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 74.8767, 84.7470, 77.3771 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

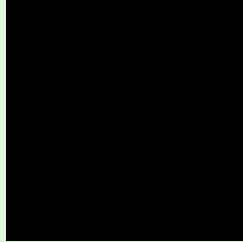
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

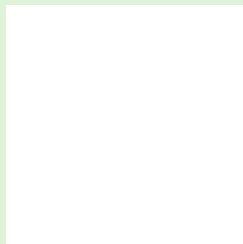
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.8767, 84.7470, 77.3771**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.8767, 84.7470, 77.3771.



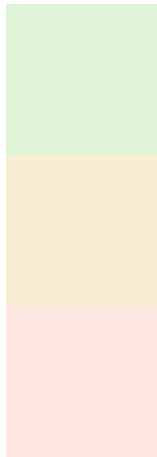
This preview shows how white text looks on a background with the XYZ color 74.8767, 84.7470,

77.3771.

# 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

74.8767, 84.7470, 77.3771

### Protanopia

80.2369, 84.5185, 74.3721

### Deuteranopia

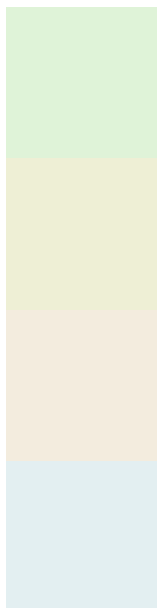
83.8241, 84.4642, 83.8367



## Tritanopia

80.9673, 84.6114, 106.6719

# Trichromacy



## Original Color

74.8767, 84.7470, 77.3771

## Protanomaly

78.1366, 84.7142, 75.1840

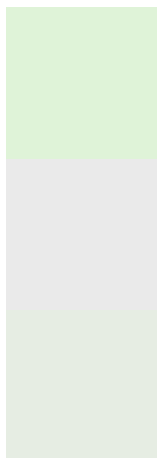
## Deuteranomaly

80.1424, 84.3195, 81.1586

## Tritanomaly

78.4222, 84.4148, 95.3795

# Monochromacy



## Original Color

74.8767, 84.7470, 77.3771

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

76.7824, 82.9374, 84.6347

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.8767, 84.7470, 77.3771 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(223, 243, 216) looks like.

```
.text, #text, p{  
    color:rgb(223, 243, 216)  
}
```

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(223, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 243, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 74.8767, 84.7470, 77.3771 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(223, 243, 216) }
```



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

```
.border{ border-color:rgb(223, 243, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 243, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(223, 243,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.8767, 84.7470, 77.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 243, 216) }
```

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

```
.background{ background-color: rgb(223,  
243, 216) }
```

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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