

# Converting Colors

XYZ(75.6678, 85.6152, 76.8273)

Have a look what the booklet for  
XYZ(75.6678, 85.6152, 76.8273)  
contains.

|  |    |
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# Color

**XYZ(75.6678, 85.6152,  
76.8273)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | E1F4D7                      |
| RGB         | 225, 244, 215               |
| RGB Percent | 88%, 96%, 84%               |
| CMY         | 0.1176, 0.0431, 0.1569      |
| CMYK        | 0.08, 0.00, 0.12, 0.04      |
| HSL         | 99°, 57%, 90%               |
| HSV         | 99°, 12%, 96%               |
| XYZ         | 75.6678, 85.6152, 76.8273   |
| YIQ         | 235.0130, -2.0150, -13.0470 |

# Conversions

## Conversions Part 2

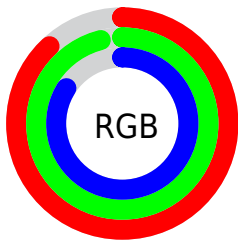
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 215, 244, 234                 |
| Decimal                             | 14808279                      |
| CIE Lab                             | 94.15, -11.37, 11.86          |
| CIE LCh                             | 94, 16.427, 133.796           |
| Yxy                                 | 85.6152, 0.3178,<br>0.3596    |
| Android<br>(android.graphics.Color) | 4292998359<br>(0xFFE1F4D7)    |
| YUV                                 | 235.0130, -9.8664,<br>-8.7814 |
| Hunter-Lab                          | 92.5285, -15.9514,<br>15.5409 |

# Details

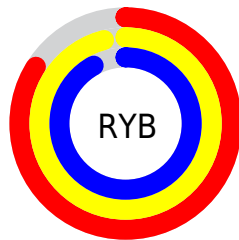
The XYZ color **75.6678, 85.6152, 76.8273** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.5646, 72.6273, 95.6809**, and the grayscale version is **79.0514, 83.1682, 90.5702**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9059, 47.0506, 40.1834** is the 20% darker color. If you saturate the color by 10%, you get **68.0108, 82.0060, 61.3047**, and if you desaturate by 10%, it is **84.2639, 89.6595, 94.8383**.

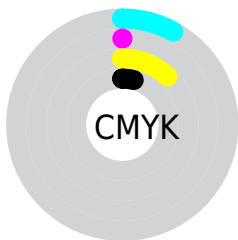
# Distribution



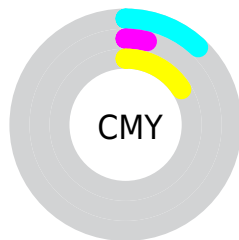
- Red (88%)
- Green (96%)
- Blue (84%)



- Red (84%)
- Yellow (96%)
- Blue (92%)



- Cyan (8%)
- Magenta (0%)
- Yellow (12%)
- Black (4%)



- Cyan (12%)
- Magenta (4%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6678, 85.6152, 76.8273 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 75.6678, 85.6152, 76.8273 by changing the saturation by 10% instead.



75.6678, 85.6152,  
76.8273

75.6678, 85.6152,  
76.8273

469.1716,  
513.6615, 503.5970

56.4562, 64.3498,  
56.6004

126.2401,  
141.2324, 130.6665

40.8073, 46.9341,  
40.2773

158.3315,  
176.3530, 165.1158

28.3555, 32.9835,  
27.4394

195.4469,  
216.8608, 205.1431

18.7357, 22.1138,  
17.6681

237.9517,  
263.1402, 251.1668

11.5823, 13.9406,  
10.5450

286.2113,  
315.5755, 303.6055

6.5301, 8.0793,  
5.6515

340.5908,

3.2137, 4.1458,

374.5513, 362.8778

2.5690

401.4559,  
440.4518, 429.4021

■ 1.2678, 1.7554,  
0.8764

■ 0.1589, 0.4592,  
0.0000

■ 75.6678, 85.6152,  
76.8273

■ 75.6678, 85.6152,  
76.8273

■ 68.0108, 82.0060,  
61.3047

■ 84.2639, 89.6595,  
94.8383

■ 61.2525, 78.8060,  
48.1558

■ 91.6424, 93.1847,  
107.7641

■ 55.3598, 76.0032,  
37.2650

■ 50.2946, 73.5807,  
28.5048

■ 46.0159, 71.5203,  
21.7352

■ 42.4785, 69.8023,  
16.7995

■ 39.6317, 68.4044,  
13.5170

■ 37.4169, 67.3012,  
11.6708

■ 36.0197, 66.5953,  
10.9557

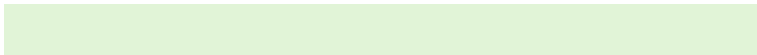
# Harmonies

## Analogous

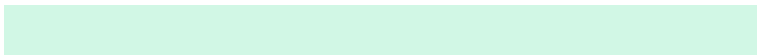
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3771, 85.6152, 71.6464



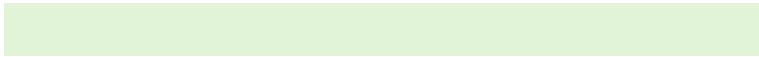
75.6678, 85.6152, 76.8273



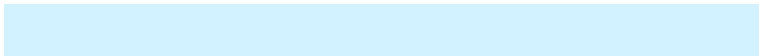
73.5303, 85.6152, 86.6316

# Triad

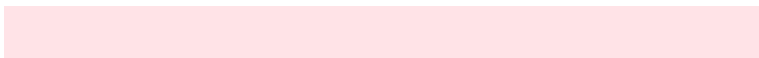
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6678, 85.6152, 76.8273



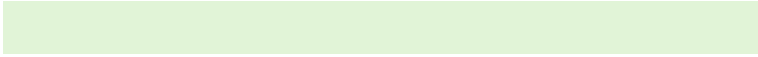
79.0403, 85.6152, 118.4323



89.8562, 85.6152, 87.5700

# Complementary

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



75.6678, 85.6152, 76.8273



74.5646, 72.6273, 95.6809

# 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.



89.7581, 85.6152, 100.1350



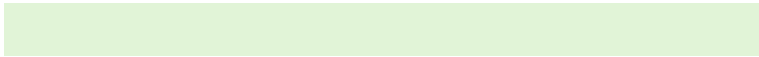
75.6678, 85.6152, 76.8273



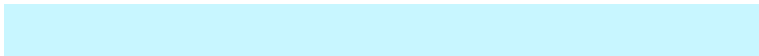
83.4055, 85.6152, 118.7412

# Square

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



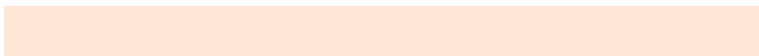
75.6678, 85.6152, 76.8273



75.4289, 85.6152, 110.9844



87.3615, 85.6152, 111.7938

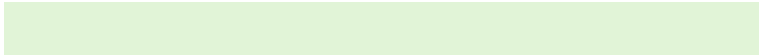


87.6249, 85.6152, 77.4609

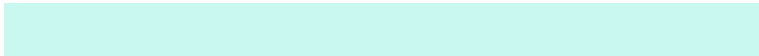


# Rectangle

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



75.6678, 85.6152, 76.8273



73.2344, 85.6152, 94.8311



87.3615, 85.6152, 111.7938



90.0969, 85.6152, 91.6280

# Sweetspot

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



75.6701, 85.6189, 76.8292



91.0347, 98.1147, 100.3662



78.9575, 82.9032, 76.1317



19.3276, 20.9266, 21.1499



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

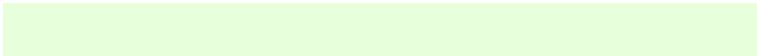


# Same Dimension

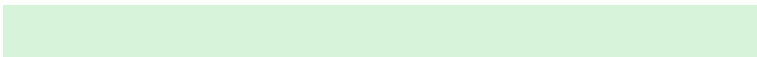
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6701, 85.6189, 76.8292



81.7374, 93.7406, 81.0108



73.2099, 84.2851, 79.6715



16.8209, 18.7497, 17.5301



19.7165, 36.2770, 5.9630



1.8390, 3.2431, 0.5291



# Inverse Universe

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



74.5646, 72.6273, 95.6809



80.3157, 77.0396, 105.2448



77.2881, 74.1068, 92.4002



16.6266, 16.4657, 20.8444



16.9009, 7.6871, 47.1310



1.5956, 0.7324, 4.1475



# Previews

## White Background



This preview shows how the XYZ color 75.6678, 85.6152, 76.8273 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 75.6678, 85.6152, 76.8273 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

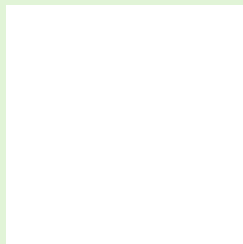
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.6678, 85.6152, 76.8273**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.6678, 85.6152, 76.8273.



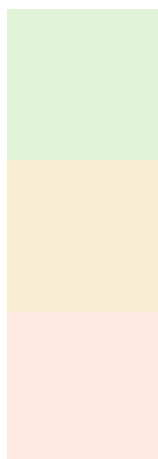
This preview shows how white text looks on a background with the XYZ color 75.6678, 85.6152,



# 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

75.6678, 85.6152, 76.8273

### Protanopia

80.7535, 85.2280, 73.8225

### Deuteranopia

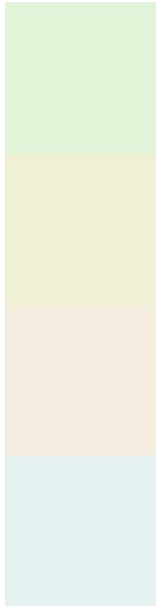
84.2440, 85.0839, 84.6557



## Tritanopia

81.9032, 85.5249, 106.7989

# Trichromacy



## Original Color

75.6678, 85.6152, 76.8273

## Protanomaly

78.9789, 85.5989, 74.6470

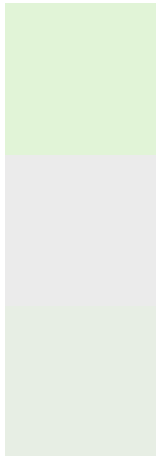
## Deuteranomaly

80.9117, 85.1292, 81.9791

## Tritanomaly

79.2014, 85.2695, 94.7224

# Monochromacy



## Original Color

75.6678, 85.6152, 76.8273

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

77.5331, 83.7394, 85.4757

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.6678, 85.6152, 76.8273 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(225, 244, 215)` looks like.

```
.text, #text, p{  
    color:rgb(225, 244, 215)  
}
```

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(225, 244, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 244, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 75.6678, 85.6152, 76.8273 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(225, 244, 215) }
```



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

```
.border{ border-color:rgb(225, 244, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 244, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 244, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 244, 215);  
box-shadow:4px 4px 4px 4px rgb(225, 244,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.6678, 85.6152, 76.8273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 244, 215) }
```

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

```
.background{ background-color: rgb(225,  
244, 215) }
```

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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