

# Converting Colors

XYZ(74.5395, 82.6805, 75.5413)

Have a look what the booklet for  
XYZ(74.5395, 82.6805, 75.5413)  
contains.

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# Color

**XYZ(74.6827, 82.9189,  
75.6871)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | E3EFD6                     |
| RGB         | 227, 239, 214              |
| RGB Percent | 89%, 94%, 84%              |
| CMY         | 0.1098, 0.0627, 0.1608     |
| CMYK        | 0.05, 0.00, 0.10, 0.06     |
| HSL         | 89°, 44%, 89%              |
| HSV         | 89°, 10%, 94%              |
| XYZ         | 74.6827, 82.9189, 75.6871  |
| YIQ         | 232.5620, 0.8730, -10.3190 |

# Conversions

## Conversions Part 2

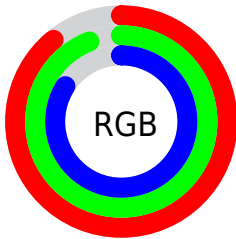
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 214, 239, 226                 |
| Decimal                             | 14938070                      |
| CIE <sub>Lab</sub>                  | 92.98, -8.35, 10.73           |
| CIE <sub>LCh</sub>                  | 93, 13.595, 127.901           |
| Yxy                                 | 82.9189, 0.3201,<br>0.3554    |
| Android<br>(android.graphics.Color) | 4293128150<br>(0xFFE3EFD6)    |
| YUV                                 | 232.5620, -9.1511,<br>-4.8779 |
| Hunter-Lab                          | 91.0598, -12.9579,<br>14.4612 |

# Details

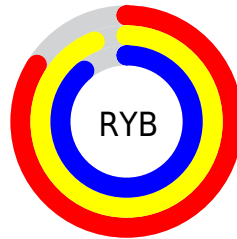
The XYZ color **74.6827, 82.9189, 75.6871** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.9937, 70.4961, 91.5309**, and the grayscale version is **77.1910, 81.2109, 88.4387**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2048, 45.1408, 39.3949** is the 20% darker color. If you saturate the color by 10%, you get **68.3528, 79.9853, 60.6094**, and if you desaturate by 10%, it is **81.7063, 86.1632, 93.1385**.

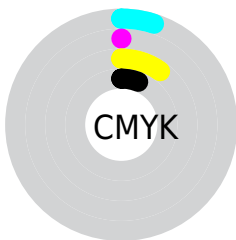
# Distribution



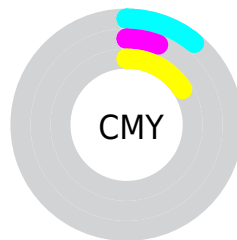
- Red (89%)
- Green (94%)
- Blue (84%)



- Red (84%)
- Yellow (94%)
- Blue (89%)



- Cyan (5%)
- Magenta (0%)
- Yellow (10%)
- Black (6%)



- Cyan (11%)
- Magenta (6%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.6827, 82.9189, 75.6871 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 74.6827, 82.9189, 75.6871 by changing the saturation by 10% instead.



74.6827, 82.9189,  
75.6871

74.6827, 82.9189,  
75.6871

465.8403,  
504.7162, 499.5942

55.6462, 62.1232,  
55.6709

124.8534,  
137.4619, 129.0405

40.1552, 45.1323,  
39.5369

156.7184,  
171.9780, 163.2148

27.8444, 31.5616,  
26.8666

193.5903,  
211.8364, 202.9455

18.3482, 21.0269,  
17.2415

235.8344,  
257.4214, 248.6512

11.3015, 13.1437,  
10.2431

283.8161,  
309.1175, 300.7503

6.3388, 7.5275,  
5.4527

337.9007,

3.0948, 3.7942,

367.3091, 359.6615

2.4519

398.4536,  
432.3805, 425.8033

■ 1.2041, 1.5591,  
0.8145

■ 0.1096, 0.3298,  
0.0000

■ 74.6827, 82.9189,  
75.6871

■ 74.6827, 82.9189,  
75.6871

■ 68.3528, 79.9853,  
60.6094

■ 81.7063, 86.1632,  
93.1385

■ 62.6857, 77.3416,  
47.7976

■ 88.3247, 89.2710,  
107.1836

■ 57.6581, 74.9803,  
37.1433

■ 90.1581, 90.2162,  
107.2694

■ 53.2423, 72.8900,  
28.5273

■ 49.4085, 71.0581,  
21.8190

■ 46.1236, 69.4708,  
16.8722

■ 43.3505, 68.1126,  
13.5197

■ 41.0456, 66.9653,  
11.5623

■ 39.2181, 66.0408,  
10.6801

# Harmonies

## Analogous

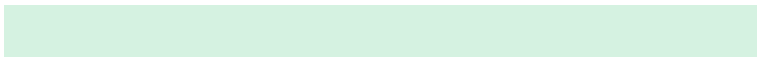
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8750, 82.9189, 72.2314



74.6827, 82.9189, 75.6871



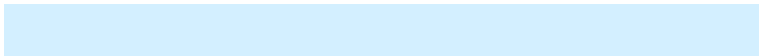
72.6404, 82.9189, 83.1109

# Triad

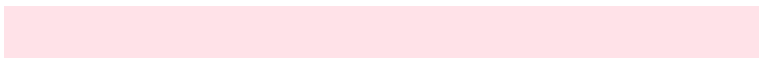
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.6827, 82.9189, 75.6871



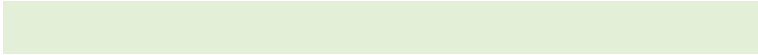
76.2656, 82.9189, 109.6865



85.7859, 82.9189, 87.6174

# Complementary

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



74.6827, 82.9189, 75.6871



70.9937, 70.4961, 91.5309

# 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.



85.3235, 82.9189, 97.8596



74.6827, 82.9189, 75.6871



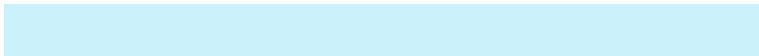
79.7563, 82.9189, 111.1200

# Square

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



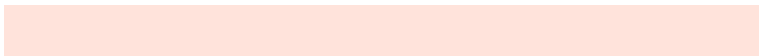
74.6827, 82.9189, 75.6871



73.5349, 82.9189, 102.8661



83.0906, 82.9189, 106.6478



84.3356, 82.9189, 78.7732



# Rectangle

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



74.6827, 82.9189, 75.6871



72.1696, 82.9189, 89.5688



83.0906, 82.9189, 106.6478



85.8498, 82.9189, 91.0042

# Sweetspot

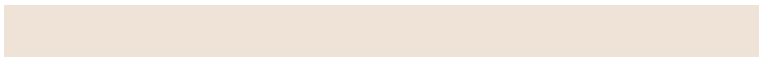
The Sweet Spot groups the original color and five complimentary colors.



74.6850, 82.9225, 75.6889



92.5043, 98.8271, 102.4792



74.8431, 77.4203, 74.6185



19.6568, 21.0872, 21.5768



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

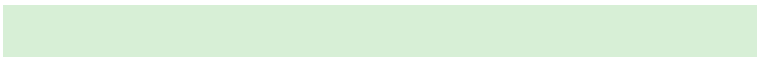
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.6850, 82.9225, 75.6889



84.5500, 95.1514, 82.9117



70.9819, 81.0135, 75.5156



16.3500, 18.0606, 16.7740



21.8243, 36.5724, 5.9089



1.9304, 3.1017, 0.4969



# Inverse Universe

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



70.9937, 70.4961, 91.5309



79.3125, 77.5194, 105.3903



74.9455, 72.5333, 91.7159



15.6194, 15.6010, 19.9097



12.6481, 5.5257, 45.5278

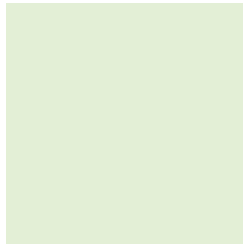


1.1665, 0.5186, 3.7928



# Previews

## White Background



This preview shows how the XYZ color 74.6827, 82.9189, 75.6871 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

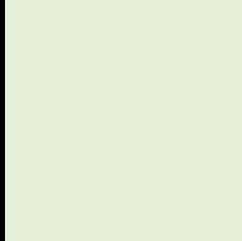
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.6827, 82.9189, 75.6871 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

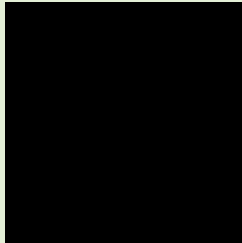
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

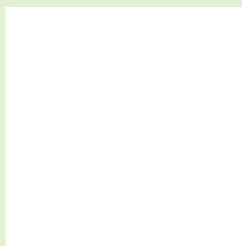
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.6827, 82.9189, 75.6871**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.6827, 82.9189, 75.6871.



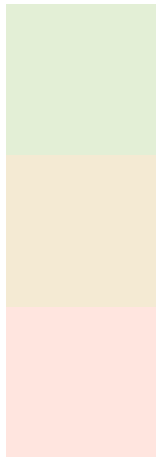
This preview shows how white text looks on a background with the XYZ color 74.6827, 82.9189,

75.6871.

# 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

74.6827, 82.9189, 75.6871

### Protanopia

78.4889, 82.7819, 73.4697

### Deuteranopia

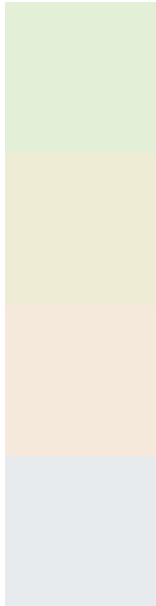
82.5786, 82.6263, 81.4082



## Tritanopia

80.3139, 82.6297, 103.8116

# Trichromacy



## Original Color

74.6827, 82.9189, 75.6871

## Protanomaly

77.1390, 82.9215, 74.2271

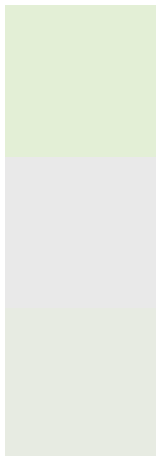
## Deuteranomaly

79.7134, 82.8576, 79.5019

## Tritanomaly

78.0959, 82.5786, 92.7121

# Monochromacy



## Original Color

74.6827, 82.9189, 75.6871

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.3908, 81.8966, 83.7329

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.6827, 82.9189, 75.6871 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(227, 239, 214) looks like.

```
.text, #text, p{  
    color:rgb(227, 239, 214)  
}
```

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(227, 239, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 239, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 74.6827, 82.9189, 75.6871 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(227, 239, 214) }
```



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

```
.border{ border-color:rgb(227, 239, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 239, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 239, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 239, 214);  
box-shadow:4px 4px 4px 4px rgb(227, 239,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.6827, 82.9189, 75.6871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 239, 214) }
```

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

```
.background{ background-color: rgb(227,  
239, 214) }
```

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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