

# Converting Colors

XYZ(76.6083, 85.5641, 70.9435)

Have a look what the booklet for  
XYZ(76.6083, 85.5641, 70.9435)  
contains.

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# Color

**XYZ(76.7954, 85.8811,  
70.9217)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E9F3CE
RGB	233, 243, 206
RGB Percent	91%, 95%, 81%
CMY	0.0863, 0.0470, 0.1921
CMYK	0.04, 0.00, 0.15, 0.05
HSL	76°, 61%, 88%
HSV	76°, 15%, 95%
XYZ	76.7954, 85.8811, 70.9217
YIQ	235.7920, 5.9170, -13.6270

# Conversions

## Conversions Part 2

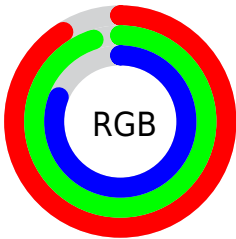
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	206, 243, 216
Decimal	15332302
CIE <sub>Lab</sub>	94.26, -9.57, 16.74
CIE <sub>LCh</sub>	94, 19.280, 119.757
Y <sub>xy</sub>	85.8811, 0.3287, 0.3676
Android (android.graphics.Color)	4293522382 (0xFFE9F3CE)
Y <sub>UV</sub>	235.7920, -14.6875, -2.4486
Hunter-Lab	92.6721, -14.2569, 19.4959

# Details

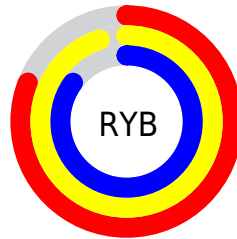
The XYZ color **76.7954, 85.8811, 70.9217** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.5714, 65.2150, 93.8778**, and the grayscale version is **79.6773, 83.8267, 91.2873**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5693, 47.1548, 36.6166** is the 20% darker color. If you saturate the color by 10%, you get **71.9641, 83.7082, 56.4587**, and if you desaturate by 10%, it is **82.1676, 88.2853, 87.7960**.

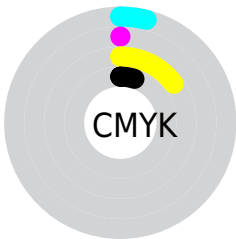
# Distribution



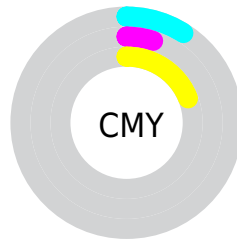
- Red (91%)
- Green (95%)
- Blue (81%)



- Red (81%)
- Yellow (95%)
- Blue (85%)



- Cyan (4%)
- Magenta (0%)
- Yellow (15%)
- Black (5%)



- Cyan (9%)
- Magenta (5%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7954, 85.8811, 70.9217 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 76.7954, 85.8811, 70.9217 by changing the saturation by 10% instead.



76.7954, 85.8811,  
70.9217

76.7954, 85.8811,  
70.9217

472.9688,  
514.5391, 482.6560

57.3843, 64.5697,  
51.7969

127.8250,  
141.6036, 122.2156

41.5552, 47.1122,  
36.4621

160.1742,  
176.7834, 155.2218

28.9428, 33.1244,  
24.4987

197.5669,  
217.3547, 193.6922

19.1816, 22.2217,  
15.4884

240.3683,  
263.7021, 238.0453

11.9063, 14.0199,  
9.0124

288.9438,  
316.2098, 288.6997

6.7517, 8.1345,  
4.6524

343.6589,

3.3522, 4.1811,

375.2623, 346.0739

1.9896

404.8787,  
441.2439, 410.5865

■ 1.3427, 1.7754,  
0.5489

■ 0.2148, 0.4718,  
0.0000

■ 76.7954, 85.8811,  
70.9217

■ 76.7954, 85.8811,  
70.9217

■ 71.9641, 83.7082,  
56.4587

■ 82.1676, 88.2853,  
87.7960

■ 67.6452, 81.7466,  
44.2914

■ 88.0943, 90.9177,  
107.1790

■ 63.8175, 79.9904,  
34.3028

■ 90.5057, 92.1534,  
107.6250

■ 60.4555, 78.4295,  
26.3636

■ 91.3424, 92.5848,  
107.6641

■ 57.5312, 77.0525,  
20.3307

■ 55.0131, 75.8466,  
16.0429

■ 52.8645, 74.7972,  
13.3119

■ 51.0405, 73.8861,  
11.9064

■ 50.2525, 73.4873,  
11.5359

# Harmonies

## Analogous

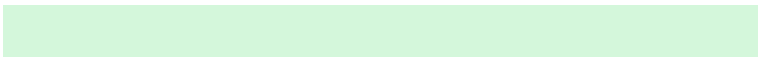
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6695, 85.8811, 67.8473



76.7954, 85.8811, 70.9217



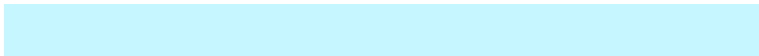
73.3425, 85.8811, 79.8999

# Triad

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



76.7954, 85.8811, 70.9217



76.7255, 85.8811, 120.3048



91.9699, 85.8811, 93.6304

# Complementary

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



76.7954, 85.8811, 70.9217



66.5714, 65.2150, 93.8778

# Split Complementary

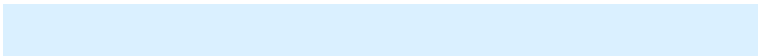
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.5138, 85.8811, 108.5838



76.7954, 85.8811, 70.9217



81.5854, 85.8811, 124.9432

# Square

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



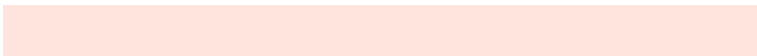
76.7954, 85.8811, 70.9217



73.3034, 85.8811, 108.3536



86.6580, 85.8811, 120.4473

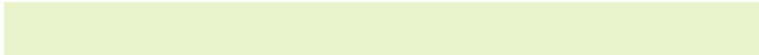


90.5589, 85.8811, 80.0879

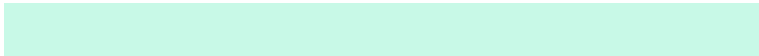


# Rectangle

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



76.7954, 85.8811, 70.9217



72.2366, 85.8811, 88.5416



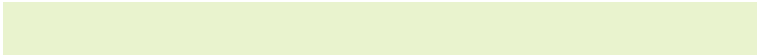
86.6580, 85.8811, 120.4473



91.7987, 85.8811, 98.6607

# Sweetspot

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



76.7977, 85.8849, 70.9236



91.8076, 98.5578, 98.3862



72.6275, 72.5571, 68.5708



19.5558, 21.0532, 20.7546



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

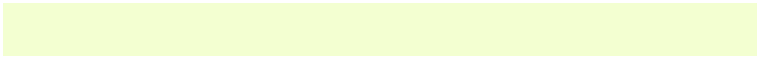


# Same Dimension

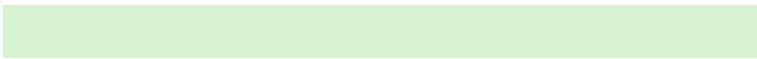
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7977, 85.8849, 70.9236



84.1016, 95.1101, 74.3120



71.1108, 82.9532, 70.6574



17.4521, 19.0751, 17.5596



27.7143, 40.4000, 6.3373



2.5336, 3.6012, 0.5616



# Inverse Universe

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



66.5714, 65.2150, 93.8778



70.8495, 68.3225, 104.0611



72.3042, 68.1704, 94.1461



16.0015, 16.1434, 20.8152



10.2107, 4.2381, 46.8179

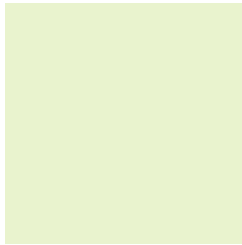


0.9916, 0.4211, 4.1192



# Previews

## White Background



This preview shows how the XYZ color 76.7954, 85.8811, 70.9217 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

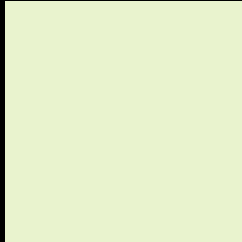
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.7954, 85.8811, 70.9217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

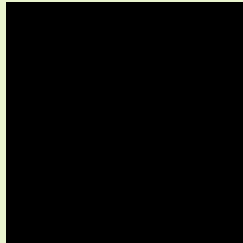
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

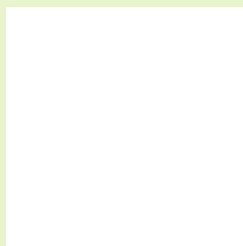
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.7954, 85.8811, 70.9217**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.7954, 85.8811, 70.9217.



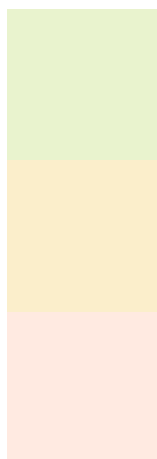
This preview shows how white text looks on a background with the XYZ color 76.7954, 85.8811,



# 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

76.7954, 85.8811, 70.9217

### Protanopia

81.1377, 85.9701, 68.8174

### Deuteranopia

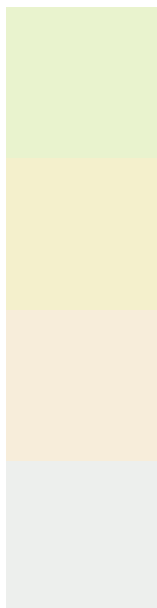
84.2534, 85.5419, 83.3048



## Tritanopia

83.9806, 85.7362, 106.7302

# Trichromacy



## Original Color

76.7954, 85.8811, 70.9217

## Protanomaly

79.3674, 85.9129, 69.5265

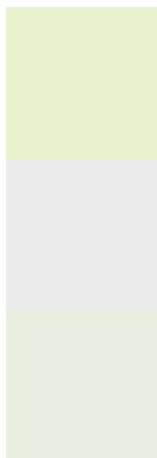
## Deuteranomaly

81.2968, 85.4045, 78.5296

## Tritanomaly

81.0776, 85.8520, 92.4186

# Monochromacy



## Original Color

76.7954, 85.8811, 70.9217

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

78.7181, 84.8314, 83.4594

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.7954, 85.8811, 70.9217 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(233, 243, 206) looks like.

```
.text, #text, p{  
    color:rgb(233, 243, 206)  
}
```

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(233, 243, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 243, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 76.7954, 85.8811, 70.9217 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(233, 243, 206) }
```



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

```
.border{ border-color:rgb(233, 243, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 243, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 243, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 243, 206);  
box-shadow:4px 4px 4px 4px rgb(233, 243,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.7954, 85.8811, 70.9217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 243, 206) }
```

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

```
.background{ background-color: rgb(233,  
243, 206) }
```

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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