

# Converting Colors

XYZ(101.3696, 133.1594,  
83.6973)

Have a look what the booklet for  
XYZ(101.3696, 133.1594, 83.6973)  
contains.

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# Color

**XYZ(81.8293, 93.8675,  
77.4237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAFFD6
RGB	234, 255, 214
RGB Percent	92%, 100%, 84%
CMY	0.0823, 0.0000, 0.1608
CMYK	0.08, 0.00, 0.16, 0.00
HSL	91°, 100%, 92%
HSV	91°, 16%, 100%
XYZ	81.8293, 93.8675, 77.4237
YIQ	244.0470, 0.6450, -17.2030

# Conversions

## Conversions Part 2

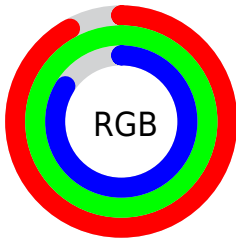
Format	Color
<a href="#">RYB</a>	<a href="#">214, 255, 235</a>
Decimal	<a href="#">15400918</a>
CIELab	<a href="#">97.58, -13.91, 17.31</a>
CIELCh	<a href="#">98, 22.206, 128.773</a>
Yxy	<a href="#">93.8675, 0.3233, 0.3708</a>
Android (android.graphics.Color)	<a href="#">4293590998</a> ( <a href="#">0xFFEAFD6</a> )
YUV	<a href="#">244.0470, -14.8132, -8.8112</a>
Hunter-Lab	<a href="#">96.8852, -18.7880, 20.4394</a>

# Details

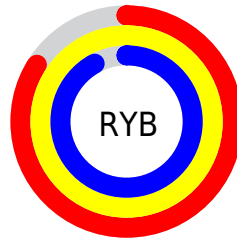
The XYZ color **81.8293, 93.8675, 77.4237** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.3584, 72.9765, 104.6691**, and the grayscale version is **86.1405, 90.6265, 98.6923**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8122, 52.3563, 40.5448** is the 20% darker color. If you saturate the color by 10%, you get **74.6919, 90.5353, 61.3996**, and if you desaturate by 10%, it is **89.7939, 97.5672, 96.1505**.

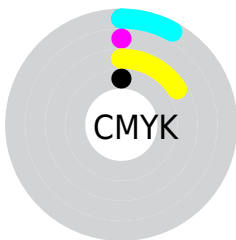
# Distribution



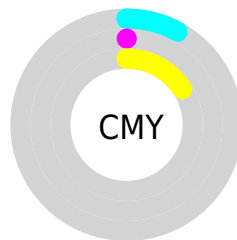
- Red (92%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (92%)



- Cyan (8%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.8293, 93.8675, 77.4237 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 81.8293, 93.8675, 77.4237 by changing the saturation by 10% instead.




 81.8293, 93.8675,  
77.4237

 81.8293, 93.8675,  
77.4237


489.7197,  
540.5330, 505.6834

 61.5385, 71.1928,  
57.0871


134.8717,  
152.6991, 131.5159

 44.9141, 52.4995,  
40.6653


168.3539,  
189.6247, 166.1085

 31.5907, 37.4034,  
27.7399


206.9640,  
232.0694, 206.2901

 21.2031, 25.5200,  
17.8924

251.0673,  
280.4176, 252.4794

 13.3859, 16.4649,  
10.7041

301.0292,  
335.0537, 305.0948

 7.7736, 9.8537,  
5.7566

357.2150,

 4.0010, 5.3021,

396.3620, 364.5550

2.6312

419.9900,  
464.7270, 431.2783

■ 1.7027, 2.4256,  
0.9085

■ 0.4580, 0.8390,  
0.0000

■ 81.8293, 93.8675,  
77.4237

■ 81.8293, 93.8675,  
77.4237

■ 74.6919, 90.5353,  
61.3996

■ 89.7939, 97.5672,  
96.1505

■ 68.3495, 87.5568,  
47.9491

95.0500, 100.0000,  
108.9000

■ 62.7702, 84.9185,  
36.9387

■ 57.9189, 82.6055,  
28.2216

■ 53.7571, 80.6015,  
21.6349

■ 50.2422, 78.8885,  
16.9941

■ 47.3250, 77.4461,  
14.0838

■ 44.9463, 76.2494,  
12.6359

■ 44.1287, 75.8342,  
12.3117

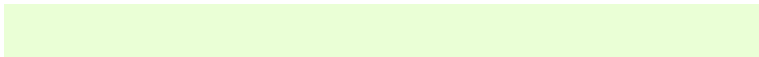
# Harmonies

## Analogous

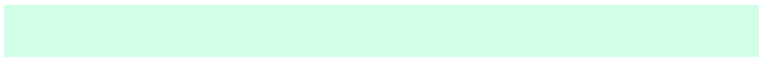
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3794, 93.8675, 71.5498



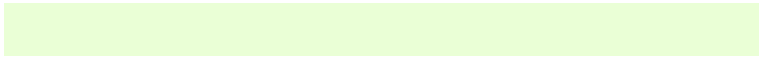
81.8293, 93.8675, 77.4237



78.3731, 93.8675, 90.1263

# Triad

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



81.8293, 93.8675, 77.4237



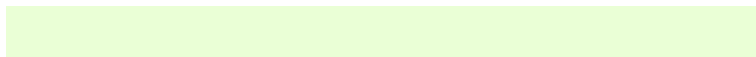
84.8942, 93.8675, 138.1633



101.7628, 93.8675, 96.9941

# Complementary

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



81.8293, 93.8675, 77.4237



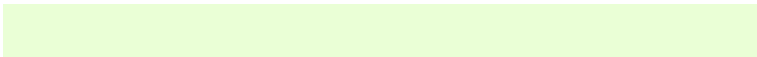
76.3584, 72.9765, 104.6691

# Split Complementary

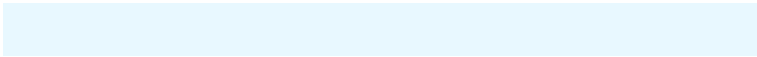
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.0204, 93.8675, 115.3190



81.8293, 93.8675, 77.4237



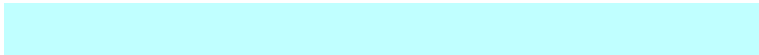
91.0827, 93.8675, 140.5641

# Square

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



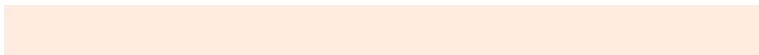
81.8293, 93.8675, 77.4237



80.0837, 93.8675, 125.5626



97.0391, 93.8675, 131.7810

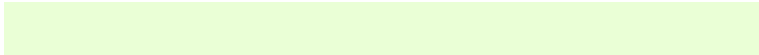


99.0223, 93.8675, 81.9414

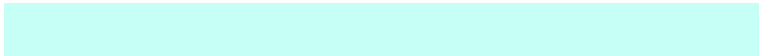


# Rectangle

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



81.8293, 93.8675, 77.4237



77.6225, 93.8675, 101.4627



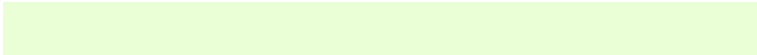
97.0391, 93.8675, 131.7810



101.9149, 93.8675, 102.9524

# Sweetspot

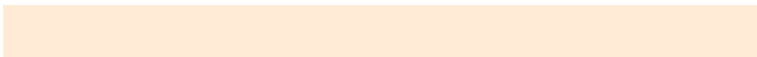
The Sweet Spot groups the original color and five complimentary colors.



81.8299, 93.8678, 77.4251



90.7027, 97.9882, 98.3345



82.9435, 85.2465, 75.7023



19.2870, 20.9146, 20.7420



0.0000, 0.0000, 0.0000

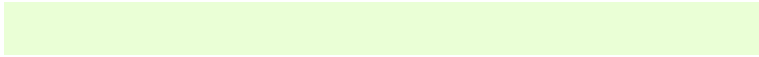


20.3446, 21.4041, 23.3091

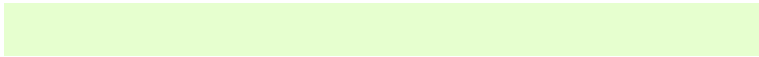


# Same Dimension

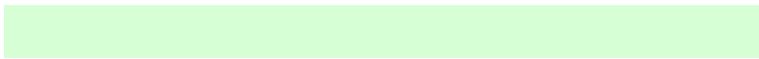
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8299, 93.8678, 77.4251



79.6598, 92.8565, 72.4680



75.6300, 90.6716, 77.1350



18.6151, 20.6030, 19.1400



23.2293, 39.7132, 6.4411



2.3873, 3.9315, 0.6330



# Inverse Universe

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



76.3584, 72.9765, 104.6691



73.3271, 68.6778, 103.9991



83.3371, 76.5742, 104.9957



17.8902, 17.8351, 22.7496



14.4639, 6.3669, 49.9012

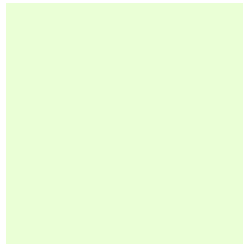


1.5344, 0.6850, 4.8646



# Previews

## White Background



This preview shows how the XYZ color 81.8293, 93.8675, 77.4237 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

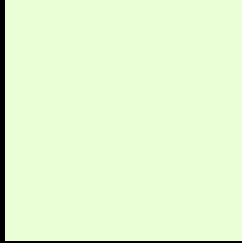
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.8293, 93.8675, 77.4237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

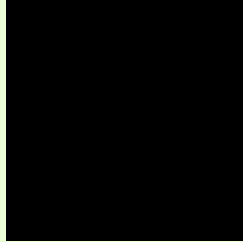
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

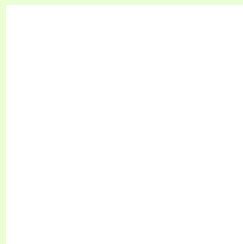
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 81.8293, 93.8675, 77.4237**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.8293, 93.8675, 77.4237.



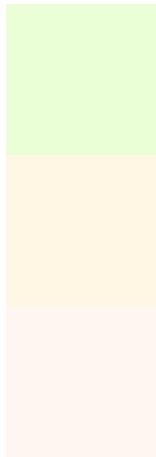
This preview shows how white text looks on a background with the XYZ color 81.8293, 93.8675,

77.4237.

# 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

81.8293, 93.8675, 77.4237

### Protanopia

88.5044, 93.3830, 86.7588

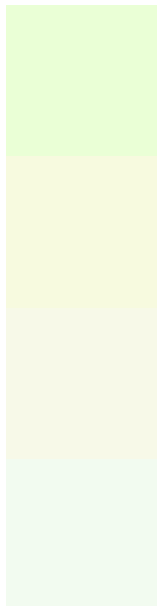
### Deuteranopia

90.2228, 93.5823, 97.3123

## **Tritanopia**

89.6234, 93.9476, 108.0178

# Trichromacy



## Original Color

81.8293, 93.8675, 77.4237

## Protanomaly

85.8627, 93.4731, 83.3287

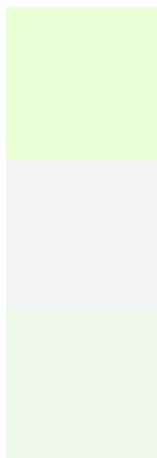
## Deuteranomaly

86.7989, 93.3517, 89.7878

## Tritanomaly

86.8433, 94.1629, 96.0362

# Monochromacy



## Original Color

81.8293, 93.8675, 77.4237

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

84.2106, 91.5433, 90.3220

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.8293, 93.8675, 77.4237 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(234, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 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(234, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 81.8293, 93.8675, 77.4237 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(234, 255, 214) }
```



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

```
.border{ border-color:rgb(234, 255, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 255, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.8293, 93.8675, 77.4237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 214) }
```

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

```
.background{ background-color: rgb(234,  
255, 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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