

# Converting Colors

XYZ(81.8010, 93.6651, 85.9081)

Have a look what the booklet for  
XYZ(81.8010, 93.6651, 85.9081)  
contains.

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# Color

**XYZ(81.8006, 93.6690,  
85.7201)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5FFE2
RGB	229, 255, 226
RGB Percent	90%, 100%, 89%
CMY	0.1020, 0.0000, 0.1137
CMYK	0.10, 0.00, 0.11, 0.00
HSL	114°, 100%, 94%
HSV	114°, 11%, 100%
XYZ	81.8006, 93.6690, 85.7201
YIQ	243.9200, -6.1870, -14.5310

# Conversions

## Conversions Part 2

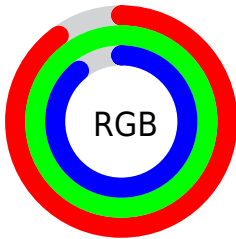
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 255, 252
Decimal	15073250
CIE Lab	97.50, -13.62, 11.01
CIE LCh	97, 17.513, 141.033
Yxy	93.6690, 0.3132, 0.3586
Android (android.graphics.Color)	4293263330 (0xFFE5FFE2)
YUV	243.9200, -8.8346, -13.0848
Hunter-Lab	96.7827, -18.5019, 15.2350

# Details

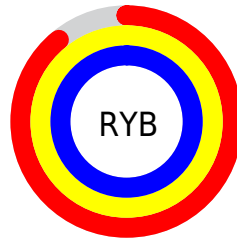
The XYZ color **81.8006, 93.6690, 85.7201** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **85.3919, 82.3093, 105.9944**, and the grayscale version is **85.9966, 90.4751, 98.5274**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7783, 52.2127, 46.2461** is the 20% darker color. If you saturate the color by 10%, you get **71.7364, 88.8554, 68.3216**, and if you desaturate by 10%, it is **93.3474, 99.1868, 105.9073**.

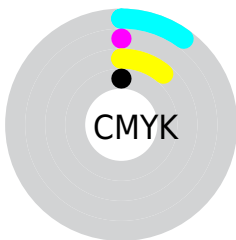
# Distribution



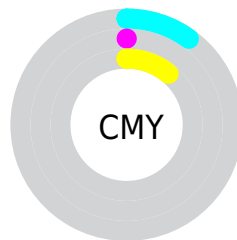
- Red (90%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (99%)



- Cyan (10%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.8006, 93.6690, 85.7201 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 81.8006, 93.6690, 85.7201 by changing the saturation by 10% instead.




 81.8006, 93.6690,  
85.7201

 81.8006, 93.6690,  
85.7201

489.6251,  
539.8951, 534.2144

 61.5147, 71.0277,  
63.8830


134.8316,  
152.4245, 143.2619

 44.8948, 52.3648,  
46.1103


168.3075,  
189.3075, 179.8037

 31.5755, 37.2959,  
31.9836

206.9107,  
231.7064, 222.0841

 21.1915, 25.4367,  
21.0843

251.0067,  
280.0058, 270.5217

 13.3773, 16.4027,  
12.9938

300.9608,  
334.5899, 325.5349

 7.7676, 9.8096,  
7.2936

357.1383,

 3.9972, 5.2729,

395.8433, 387.5425

3.5651

419.9046,  
464.1502, 456.9628

■ 1.7005, 2.4082,  
1.3900

■ 0.4566, 0.8301,  
0.1339

■ 81.8006, 93.6690,  
85.7201

■ 81.8006, 93.6690,  
85.7201

■ 71.7364, 88.8554,  
68.3216

■ 93.3474, 99.1868,  
105.9073

■ 63.0925, 84.7165,  
53.5851

95.0500, 100.0000,  
108.9000

■ 55.8053, 81.2224,  
41.3806

■ 49.8056, 78.3405,  
31.5656

■ 45.0180, 76.0352,  
23.9835

■ 41.3591, 74.2675,  
18.4589

■ 38.7351, 72.9933,  
14.7903

■ 37.0362, 72.1612,  
12.7357

■ 36.1957, 71.7446,  
11.9404

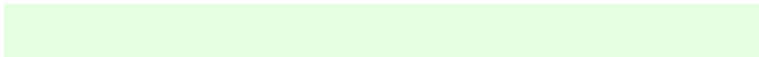
# Harmonies

## Analogous

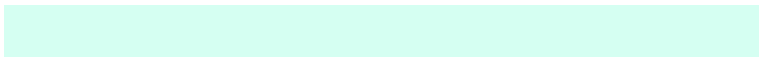
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6419, 93.6690, 78.5066



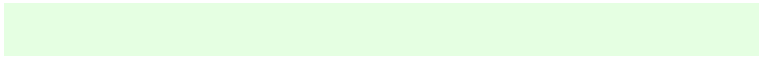
81.8006, 93.6690, 85.7201



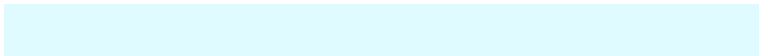
79.9151, 93.6690, 97.7806

# Triad

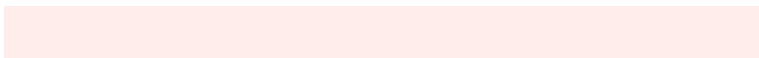
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8006, 93.6690, 85.7201



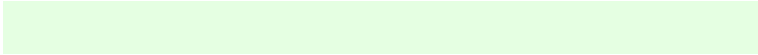
87.5475, 93.6690, 131.4994



98.2554, 93.6690, 92.4742

# Complementary

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



81.8006, 93.6690, 85.7201



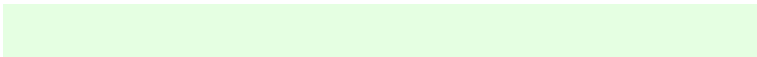
85.3919, 82.3093, 105.9944

# 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.



98.8119, 93.6690, 106.3177



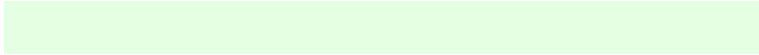
81.8006, 93.6690, 85.7201



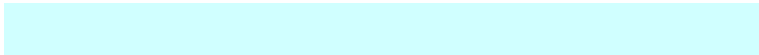
92.5054, 93.6690, 129.7426

# Square

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



81.8006, 93.6690, 85.7201



83.1510, 93.6690, 124.7958



96.6724, 93.6690, 120.1975

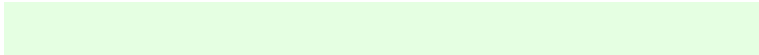


95.1789, 93.6690, 82.1464

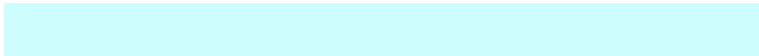


# Rectangle

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



81.8006, 93.6690, 85.7201



79.9708, 93.6690, 107.3201



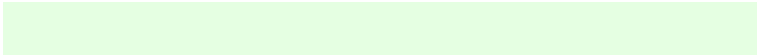
96.6724, 93.6690, 120.1975



98.7478, 93.6690, 96.8387

# Sweetspot

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



81.8013, 93.6694, 85.7215



91.3641, 98.2393, 102.4258



89.6580, 96.1315, 85.7827



19.3498, 20.9289, 21.5624



0.0000, 0.0000, 0.0000

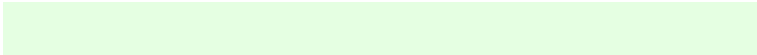


20.3446, 21.4041, 23.3091

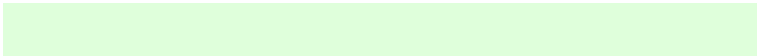


# Same Dimension

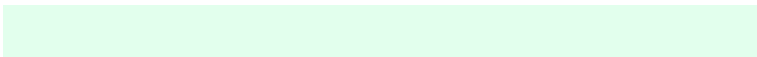
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8013, 93.6694, 85.7215



79.0149, 92.3371, 80.8834



82.4280, 93.8104, 93.9739



17.9459, 20.2580, 19.1087



18.9695, 37.5172, 6.2418



1.9019, 3.6812, 0.6103



# Inverse Universe

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



85.3919, 82.3093, 105.9944



83.3543, 78.6060, 105.3870



84.7484, 82.1784, 96.8910



18.5966, 18.1993, 22.7826



26.3280, 12.4831, 50.4564

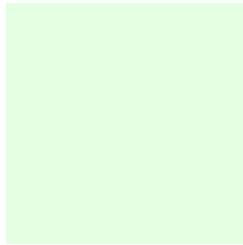


2.6145, 1.2418, 4.9152



# Previews

## White Background



This preview shows how the XYZ color 81.8006, 93.6690, 85.7201 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

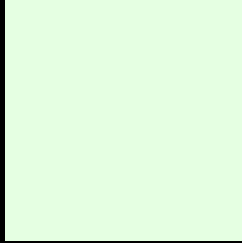
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.8006, 93.6690, 85.7201 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

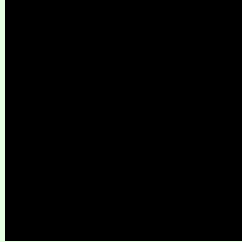
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

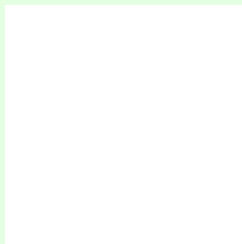
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.8006, 93.6690, 85.7201

## Background



This preview shows how black text looks on a background with the XYZ color 81.8006, 93.6690, 85.7201.



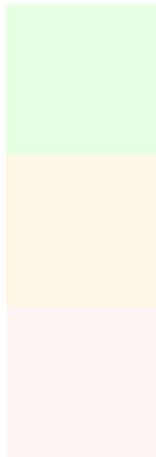
This preview shows how white text looks on a background with the XYZ color 81.8006, 93.6690,

85.7201.

# 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

81.8006, 93.6690, 85.7201

### Protanopia

88.6436, 93.4387, 87.4922

### Deuteranopia

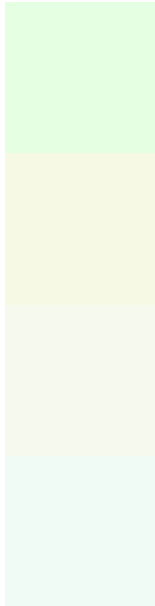
90.3734, 93.6426, 98.1057



## Tritanopia

88.9256, 93.5879, 107.9851

# Trichromacy



## Original Color

81.8006, 93.6690, 85.7201

## Protanomaly

86.1952, 93.5655, 86.9158

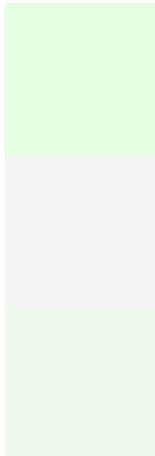
## Deuteranomaly

87.1678, 93.4586, 93.5658

## Tritanomaly

86.4229, 93.8767, 99.1530

# Monochromacy



## Original Color

81.8006, 93.6690, 85.7201

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

84.4501, 91.6000, 93.3503

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.8006, 93.6690, 85.7201 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(229, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 226)  
}
```

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(229, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 81.8006, 93.6690, 85.7201 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".

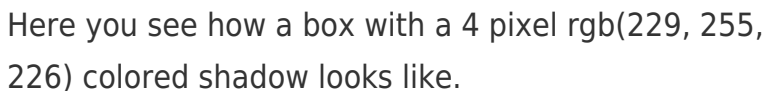
```
.border, #border, table{ border:4px solid rgb(229, 255, 226) }
```



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

```
.border{ border-color:rgb(229, 255, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(229, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 255, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 255, 226); box-shadow:4px 4px 4px 4px rgb(229, 255, 226) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.8006, 93.6690, 85.7201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 226) }
```

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

```
.background{ background-color: rgb(229,  
255, 226) }
```

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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