

# Converting Colors

XYZ(84.1283, 95.0775, 76.4086)

Have a look what the booklet for  
XYZ(84.1283, 95.0775, 76.4086)  
contains.

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# **Color**

**XYZ(83.9193, 94.9742,  
76.1962)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1FFD4
RGB	241, 255, 212
RGB Percent	95%, 100%, 83%
CMY	0.0549, 0.0000, 0.1686
CMYK	0.05, 0.00, 0.17, 0.00
HSL	80°, 100%, 92%
HSV	80°, 17%, 100%
XYZ	83.9193, 94.9742, 76.1962
YIQ	245.9120, 5.4590, -16.3410

# Conversions

## Conversions Part 2

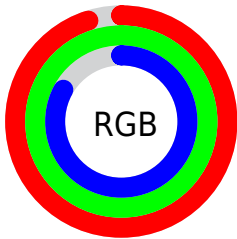
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 255, 226
Decimal	15859668
CIE <sub>Lab</sub>	98.02, -11.81, 19.03
CIE <sub>LCh</sub>	98, 22.394, 121.820
Yxy	94.9742, 0.3290, 0.3723
Android (android.graphics.Color)	4294049748 (0xFFFF1FFD4)
YUV	245.9120, -16.7186, -4.3078
Hunter-Lab	97.4547, -16.8375, 21.8617

# Details

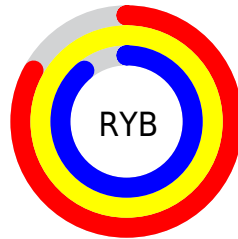
The XYZ color **83.9193, 94.9742, 76.1962** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.9584, 70.4769, 104.3658**, and the grayscale version is **87.6534, 92.2182, 100.4256**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2875, 53.1368, 39.7151** is the 20% darker color. If you saturate the color by 10%, you get **78.1825, 92.3596, 60.4413**, and if you desaturate by 10%, it is **90.2946, 97.8593, 94.6356**.

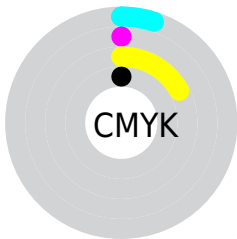
# Distribution



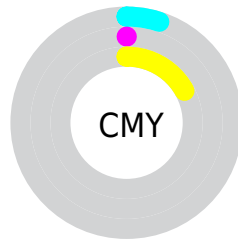
- Red (95%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (89%)



- Cyan (5%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.9193, 94.9742, 76.1962 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 83.9193, 94.9742, 76.1962 by changing the saturation by 10% instead.




 83.9193, 94.9742,  
76.1962

 83.9193, 94.9742,  
76.1962


496.5829,  
544.0824, 501.3838

 63.2683, 72.1135,  
56.0858


137.7841,  
154.2290, 129.7668

 46.3178, 53.2514,  
39.8673


171.7287,  
191.3918, 164.0641

 32.7023, 38.0035,  
27.1221


210.8351,  
234.0908, 203.9275

 22.0566, 25.9854,  
17.4317

255.4687,  
282.7104, 249.7754

 14.0154, 16.8127,  
10.3775

305.9950,  
337.6350, 302.0265

 8.2131, 10.1011,  
5.5411

362.7792,

 4.2846, 5.4660,

399.2489, 361.0992

2.5039

426.1867,  
467.9366, 427.4121

■ 1.8644, 2.5232,  
0.8422

■ 0.5560, 0.8882,  
0.0000

■ 83.9193, 94.9742,  
76.1962

■ 83.9193, 94.9742,  
76.1962

■ 78.1825, 92.3596,  
60.4413

■ 90.2946, 97.8593,  
94.6356

■ 73.0568, 90.0041,  
47.2412

95.0500, 100.0000,  
108.9000

■ 68.5155, 87.8968,  
36.4621

■ 64.5287, 86.0257,  
27.9560

■ 61.0635, 84.3773,  
21.5590

■ 58.0828, 82.9366,  
17.0850

■ 55.5430, 81.6860,  
14.3155

■ 53.3899, 80.6035,  
12.9739

■ 52.7686, 80.2883,  
12.7160

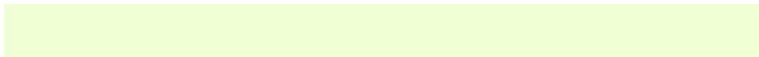
# Harmonies

## Analogous

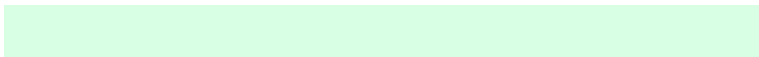
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8787, 94.9742, 71.9590



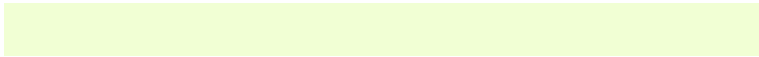
83.9193, 94.9742, 76.1962



79.8246, 94.9742, 87.6043

# Triad

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



83.9193, 94.9742, 76.1962



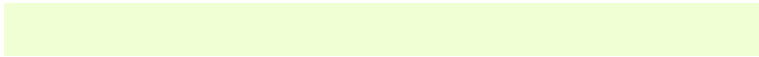
84.5676, 94.9742, 137.7927



103.1732, 94.9742, 102.2923

# Complementary

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



83.9193, 94.9742, 76.1962



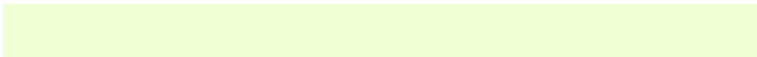
72.9584, 70.4769, 104.3658

# Split Complementary

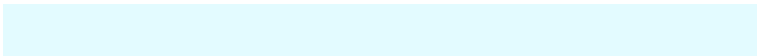
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.5894, 94.9742, 121.0126



83.9193, 94.9742, 76.1962



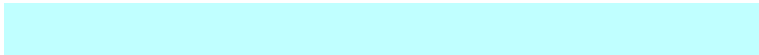
90.6626, 94.9742, 142.9050

# Square

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



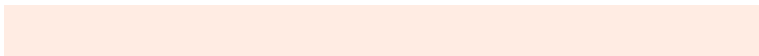
83.9193, 94.9742, 76.1962



80.1862, 94.9742, 123.1845



96.9335, 94.9742, 136.4379

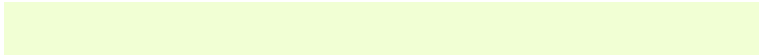


101.1659, 94.9742, 85.8751

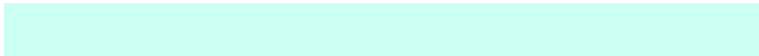


# Rectangle

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



83.9193, 94.9742, 76.1962



78.5991, 94.9742, 98.4640



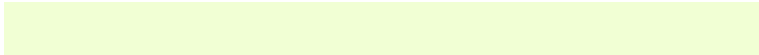
96.9335, 94.9742, 136.4379



103.0428, 94.9742, 108.5205

# Sweetspot

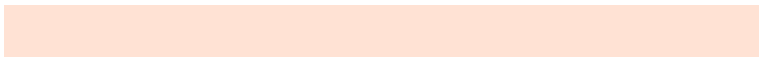
The Sweet Spot groups the original color and five complimentary colors.



83.9199, 94.9745, 76.1976



91.5539, 98.4270, 98.3743



80.2166, 80.1988, 73.5408



19.4940, 21.0213, 20.7517



0.0000, 0.0000, 0.0000

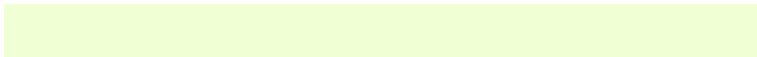


20.3446, 21.4041, 23.3091

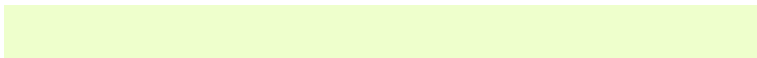


# Same Dimension

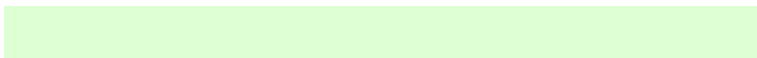
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9199, 94.9745, 76.1976



82.0520, 94.1254, 70.9702



77.1243, 91.4713, 75.8796



18.9526, 20.7770, 19.1558



27.7362, 42.0366, 6.6520



2.8154, 4.1521, 0.6531



# Inverse Universe

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



72.9584, 70.4769, 104.3658



69.3413, 65.7158, 103.6375



79.9931, 74.1035, 104.6950



17.5599, 17.6648, 22.7341



11.4348, 4.8054, 49.7594

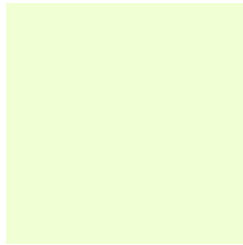


1.2224, 0.5241, 4.8500



# Previews

## White Background



This preview shows how the XYZ color 83.9193, 94.9742, 76.1962 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

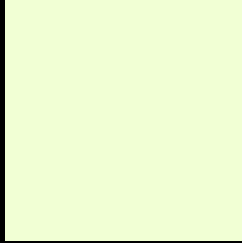
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.9193, 94.9742, 76.1962 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

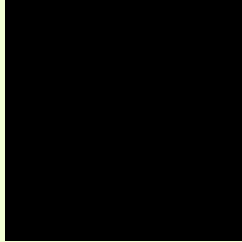
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

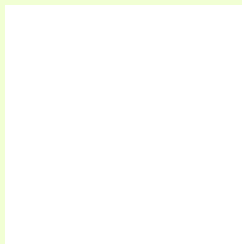
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.9193, 94.9742, 76.1962

## Background



This preview shows how black text looks on a background with the XYZ color 83.9193, 94.9742, 76.1962.



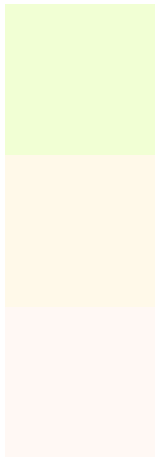
This preview shows how white text looks on a background with the XYZ color 83.9193, 94.9742,



# 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

83.9193, 94.9742, 76.1962

### Protanopia

89.8237, 94.8946, 90.6731

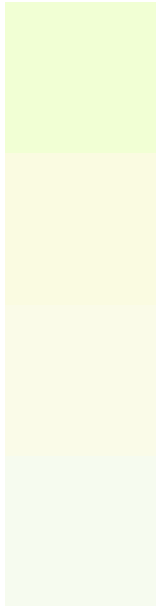
### Deuteranopia

91.1365, 94.9265, 99.1072

## **Tritanopia**

90.9926, 95.1111, 108.1702

# Trichromacy



## Original Color

83.9193, 94.9742, 76.1962

## Protanomaly

87.5121, 94.7546, 84.9112

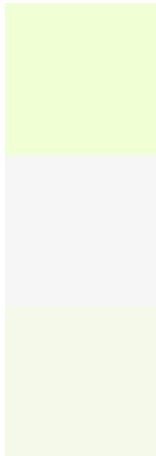
## Deuteranomaly

88.4870, 95.1445, 90.0449

## Tritanomaly

88.0832, 94.8192, 95.3208

# Monochromacy



## Original Color

83.9193, 94.9742, 76.1962

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.0352, 92.9250, 91.2437

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.9193, 94.9742, 76.1962 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(241, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 212)  
}
```

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(241, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 83.9193, 94.9742, 76.1962 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(241, 255, 212) }
```



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

```
.border{ border-color:rgb(241, 255, 212) }
```

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

Here you see how a box with a 4 pixel rgb(241, 255, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.9193, 94.9742, 76.1962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 212) }
```

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

```
.background{ background-color: rgb(241,  
255, 212) }
```

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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