

# Converting Colors

XYZ(85.5677, 94.3914, 78.7837)

Have a look what the booklet for  
XYZ(85.5677, 94.3914, 78.7837)  
contains.

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# Color

**XYZ(85.5628, 94.3528,  
78.6680)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FCD8
RGB	247, 252, 216
RGB Percent	97%, 99%, 85%
CMY	0.0314, 0.0117, 0.1529
CMYK	0.02, 0.00, 0.14, 0.01
HSL	68°, 86%, 92%
HSV	68°, 14%, 99%
XYZ	85.5628, 94.3528, 78.6680
YIQ	246.4010, 8.5760, -12.2560

# Conversions

## Conversions Part 2

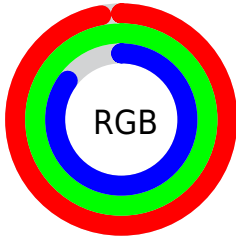
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	216, 252, 221
Decimal	16252120
CIE <sub>Lab</sub>	97.77, -7.62, 16.70
CIE <sub>LCh</sub>	98, 18.356, 114.534
Yxy	94.3528, 0.3309, 0.3649
Android (android.graphics.Color)	4294442200 (0xFFFF7FCD8)
YUV	246.4010, -14.9877, 0.5253
Hunter-Lab	97.1354, -12.7531, 19.9770

# Details

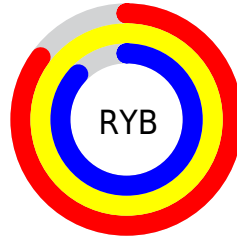
The XYZ color **85.5628, 94.3528, 78.6680** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.9490, 71.5147, 102.1121**, and the grayscale version is **88.0369, 92.6217, 100.8650**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4340, 52.6798, 41.3864** is the 20% darker color. If you saturate the color by 10%, you get **81.3285, 92.5208, 62.7475**, and if you desaturate by 10%, it is **90.3251, 96.4049, 97.2252**.

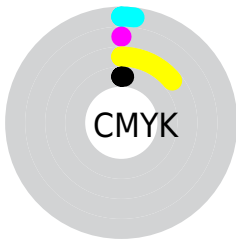
# Distribution



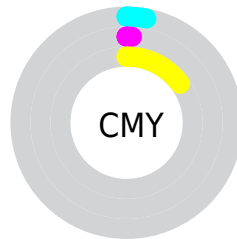
- Red (97%)
- Green (99%)
- Blue (85%)



- Red (85%)
- Yellow (99%)
- Blue (87%)



- Cyan (2%)
- Magenta (0%)
- Yellow (14%)
- Black (1%)



- Cyan (3%)
- Magenta (1%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.5628, 94.3528, 78.6680 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 85.5628, 94.3528, 78.6680 by changing the saturation by 10% instead.



85.5628, 94.3528,  
78.6680

85.5628, 94.3528,  
78.6680

501.9442,  
542.0910, 510.0204

64.6306, 71.5964,  
58.1032

140.0692,  
153.3702, 133.2858

47.4252, 52.8291,  
41.4764

174.3741,  
190.4000, 168.1758

33.5812, 37.6663,  
28.3690

213.8672,  
232.9563, 208.6781

22.7334, 25.7238,  
18.3625

258.9139,  
281.4237, 255.2110

14.5164, 16.6171,  
11.0385

309.8797,  
336.1865, 308.1931

8.5648, 9.9619,  
5.9782

367.1297,

4.5133, 5.3737,

397.6290, 368.0430

2.7633

431.0294,  
466.1357, 435.1793

■ 1.9964, 2.4682,  
0.9751

■ 0.6319, 0.8606,  
0.0000

■ 85.5628, 94.3528,  
78.6680

■ 85.5628, 94.3528,  
78.6680

■ 81.3285, 92.5208,  
62.7475

■ 90.3251, 96.4049,  
97.2252

■ 77.5919, 90.8874,  
49.3382

■ 93.7382, 97.9169,  
108.5671

■ 74.3308, 89.4469,  
38.3133

■ 94.1023, 98.1047,  
108.5841

■ 71.5185, 88.1886,  
29.5326

■ 69.1255, 87.1006,  
22.8414

■ 67.1186, 86.1696,  
18.0653

■ 65.4591, 85.3802,  
15.0018

■ 64.0999, 84.7135,  
13.4026

■ 63.4194, 84.3721,  
12.9429

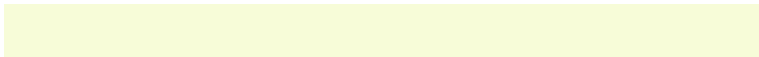
# Harmonies

## Analogous

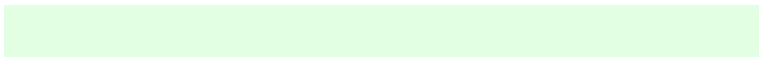
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6422, 94.3528, 76.6166



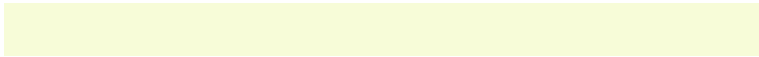
85.5628, 94.3528, 78.6680



81.7254, 94.3528, 86.8926

# Triad

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



85.5628, 94.3528, 78.6680



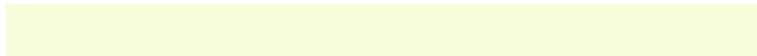
83.9626, 94.3528, 128.0586



100.0819, 94.3528, 105.5061

# Complementary

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



85.5628, 94.3528, 78.6680



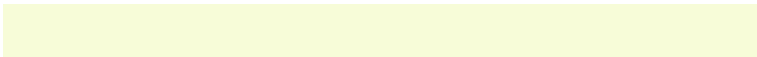
71.9490, 71.5147, 102.1121

# Split Complementary

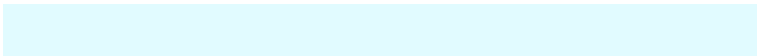
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.1337, 94.3528, 120.3928



85.5628, 94.3528, 78.6680



88.7236, 94.3528, 134.2001

# Square

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



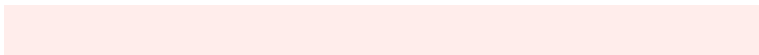
85.5628, 94.3528, 78.6680



80.8270, 94.3528, 115.1806



93.9262, 94.3528, 131.2671

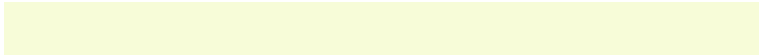


99.1559, 94.3528, 91.2183

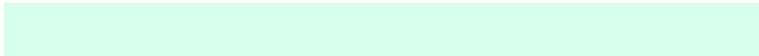


# Rectangle

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



85.5628, 94.3528, 78.6680



80.3200, 94.3528, 95.2336



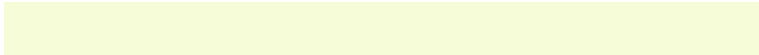
93.9262, 94.3528, 131.2671



99.7392, 94.3528, 110.6185

# Sweetspot

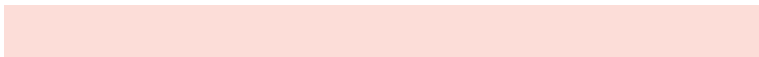
The Sweet Spot groups the original color and five complimentary colors.



85.5653, 94.3569, 78.6700



92.9311, 99.0924, 100.4550



78.3464, 77.2632, 75.7511



19.8079, 21.1742, 21.1724



0.0000, 0.0000, 0.0000

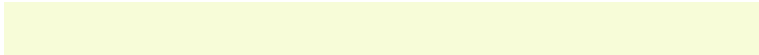


20.3446, 21.4041, 23.3091

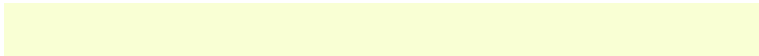


# Same Dimension

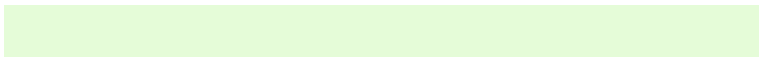
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5653, 94.3569, 78.6700



86.6570, 96.3907, 76.0941



79.5853, 91.2741, 78.3902



18.4762, 20.0613, 18.3608



33.1285, 43.9966, 6.7461



3.1315, 4.1074, 0.6278



# Inverse Universe

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



71.9490, 71.5147, 102.1121



70.3229, 68.9878, 104.2173



77.6587, 74.4581, 102.3794



16.5074, 16.7587, 21.7500



9.5847, 3.8838, 48.2180

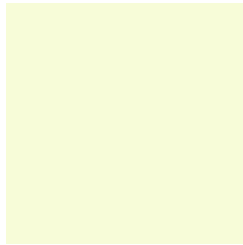


0.9542, 0.3940, 4.4689



# Previews

## White Background



This preview shows how the XYZ color 85.5628, 94.3528, 78.6680 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

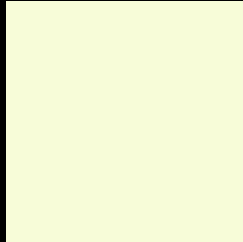
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.5628, 94.3528, 78.6680 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

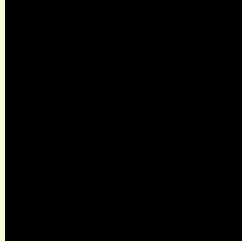
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 85.5628, 94.3528, 78.6680**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.5628, 94.3528, 78.6680.



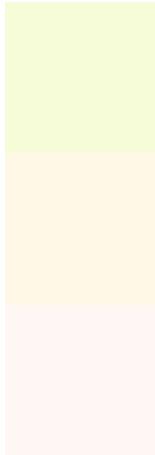
This preview shows how white text looks on a background with the XYZ color 85.5628, 94.3528,

78.6680.

# 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

85.5628, 94.3528, 78.6680

### Protanopia

89.2312, 94.1643, 89.0738

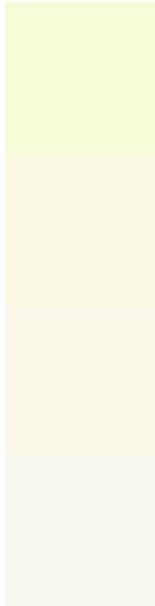
### Deuteranopia

90.8299, 94.3132, 99.0050

## **Tritanopia**

91.0944, 94.2508, 107.9988

# Trichromacy



## Original Color

85.5628, 94.3528, 78.6680

## Protanomaly

87.7480, 93.9378, 85.4585

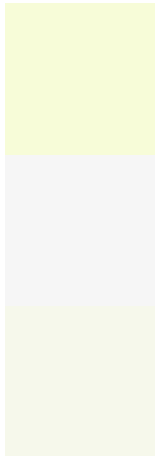
## Deuteranomaly

88.8718, 94.3873, 91.3764

## Tritanomaly

89.1772, 94.4262, 96.7450

# Monochromacy



## Original Color

85.5628, 94.3528, 78.6680

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.5688, 92.7258, 91.9325

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.5628, 94.3528, 78.6680 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(247, 252, 216)` looks like.

```
.text, #text, p{  
    color:rgb(247, 252, 216)  
}
```

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(247, 252, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 252, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 85.5628, 94.3528, 78.6680 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".

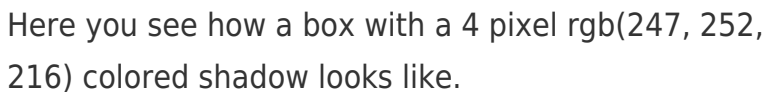
```
.border, #border, table{ border:4px solid rgb(247, 252, 216) }
```



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

```
.border{ border-color:rgb(247, 252, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(247, 252, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 252, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 252, 216); box-shadow:4px 4px 4px 4px rgb(247, 252, 216) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.5628, 94.3528, 78.6680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 252, 216) }
```

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

```
.background{ background-color: rgb(247,  
252, 216) }
```

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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