

# Converting Colors

XYZ(125.3339, 179.0202,  
87.9364)

Have a look what the booklet for  
XYZ(125.3339, 179.0202, 87.9364)  
contains.

<b>XYZ(83.0803, 94.5993, 73.5552)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(83.0803, 94.5993,  
73.5552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0FFD0
RGB	240, 255, 208
RGB Percent	94%, 100%, 82%
CMY	0.0588, 0.0000, 0.1843
CMYK	0.06, 0.00, 0.18, 0.00
HSL	79°, 100%, 91%
HSV	79°, 18%, 100%
XYZ	83.0803, 94.5993, 73.5552
YIQ	245.1570, 6.1470, -17.7970

# Conversions

## Conversions Part 2

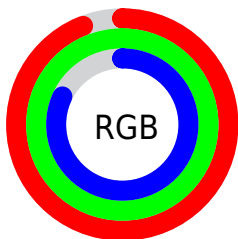
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 255, 223
Decimal	15794128
CIE <sub>Lab</sub>	97.87, -12.76, 20.84
CIE <sub>LCh</sub>	98, 24.442, 121.480
Yxy	94.5993, 0.3307, 0.3765
Android (android.graphics.Color)	4293984208 (0xFFFF0FFD0)
YUV	245.1570, -18.3184, -4.5227
Hunter-Lab	97.2622, -17.7360, 23.2450

# Details

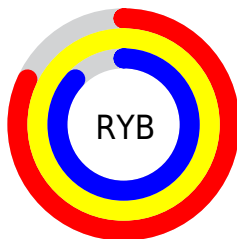
The XYZ color **83.0803, 94.5993, 73.5552** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.0382, 68.0210, 103.9930**, and the grayscale version is **87.0560, 91.5897, 99.7412**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7110, 52.8784, 37.9343** is the 20% darker color. If you saturate the color by 10%, you get **77.4896, 92.0510, 58.2120**, and if you desaturate by 10%, it is **89.3005, 97.4138, 91.5635**.

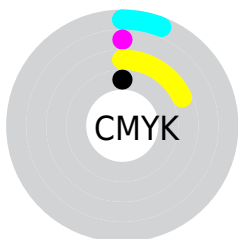
# Distribution



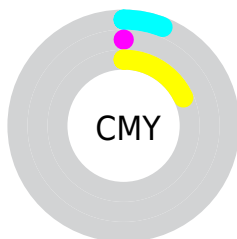
- Red (94%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (87%)



- Cyan (6%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.0803, 94.5993, 73.5552 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 83.0803, 94.5993, 73.5552 by changing the saturation by 10% instead.




 83.0803, 94.5993,  
73.5552

 83.0803, 94.5993,  
73.5552


493.8340,  
542.8814, 492.0591

 62.5735, 71.8015,  
53.9355


136.6159,  
153.7109, 125.9933

 45.7536, 52.9966,  
38.1573


170.3754,  
190.7935, 159.6487

 32.2553, 37.8000,  
25.8020


209.2832,  
233.4065, 198.8198

 21.7130, 25.8275,  
16.4511

253.7046,  
281.9343, 243.9251

 13.7616, 16.6946,  
9.6861

304.0051,  
336.7613, 295.3832

 8.0356, 10.0170,  
5.0885

360.5499,

 4.1698, 5.4102,

398.2719, 353.6125

2.2396

423.7044,  
466.8505, 419.0316

■ 1.7986, 2.4899,  
0.6971

■ 0.5168, 0.8716,  
0.0000

■ 83.0803, 94.5993,  
73.5552

■ 83.0803, 94.5993,  
73.5552

■ 77.4896, 92.0510,  
58.2120

■ 89.3005, 97.4138,  
91.5635

■ 72.5011, 89.7577,  
45.4030

95.0500, 100.0000,  
108.9000

■ 68.0876, 87.7083,  
34.9924

■ 64.2191, 85.8906,  
26.8301

■ 60.8620, 84.2911,  
20.7491

■ 57.9786, 82.8944,  
16.5591

■ 55.5243, 81.6826,  
14.0351

■ 53.4375, 80.6306,  
12.8617

■ 53.1305, 80.4748,  
12.7329

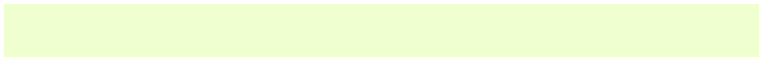
# Harmonies

## Analogous

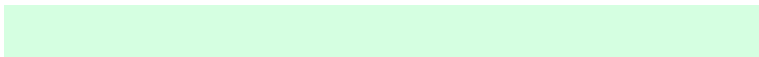
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5673, 94.5993, 69.1338



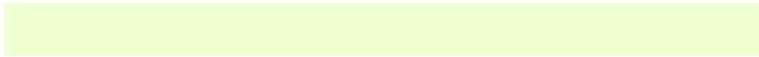
83.0803, 94.5993, 73.5552



78.6204, 94.5993, 85.7051

# Triad

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



83.0803, 94.5993, 73.5552



83.6516, 94.5993, 140.6354



104.0211, 94.5993, 102.0122

# Complementary

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



83.0803, 94.5993, 73.5552



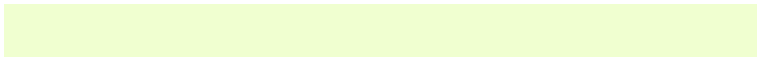
71.0382, 68.0210, 103.9930

# Split Complementary

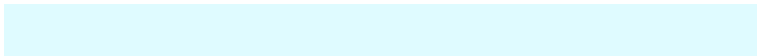
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.2400, 94.5993, 122.4836



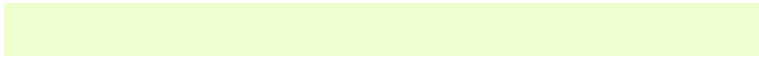
83.0803, 94.5993, 73.5552



90.2612, 94.5993, 146.4431

# Square

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



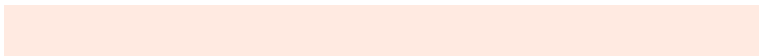
83.0803, 94.5993, 73.5552



78.9381, 94.5993, 124.4253



97.1121, 94.5993, 139.4162

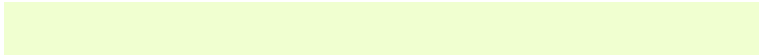


101.8625, 94.5993, 84.1917

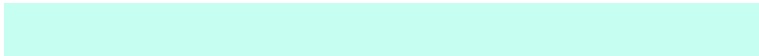


# Rectangle

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



83.0803, 94.5993, 73.5552



77.2732, 94.5993, 97.4076



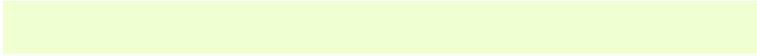
97.1121, 94.5993, 139.4162



103.8627, 94.5993, 108.8077

# Sweetspot

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



83.0809, 94.5996, 73.5566



90.9099, 98.1391, 96.3559



78.9823, 78.5280, 70.6705



19.3651, 20.9637, 20.3450



0.0000, 0.0000, 0.0000

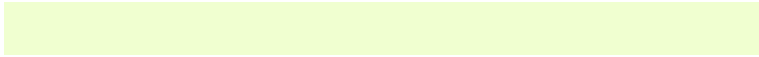


20.3446, 21.4041, 23.3091

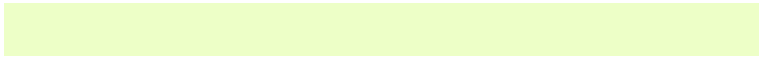


# Same Dimension

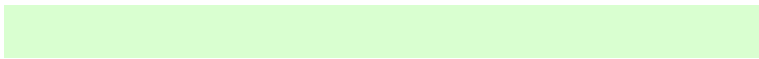
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0809, 94.5996, 73.5566



81.0143, 93.6599, 67.7802



75.6474, 90.7675, 73.2087



18.9644, 20.7831, 19.1563



27.9240, 42.1334, 6.6608



2.8326, 4.1610, 0.6539



# Inverse Universe

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



71.0382, 68.0210, 103.9930



67.0075, 62.7426, 103.1866



78.7472, 71.9951, 104.3538



17.5487, 17.6591, 22.7336



11.3582, 4.7659, 49.7558

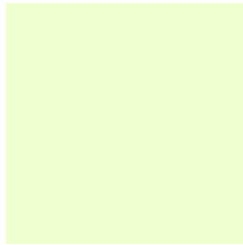


1.2139, 0.5197, 4.8496



# Previews

## White Background



This preview shows how the XYZ color 83.0803, 94.5993, 73.5552 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

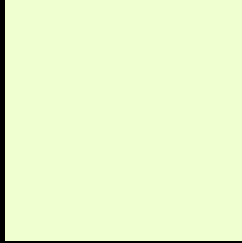
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.0803, 94.5993, 73.5552 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

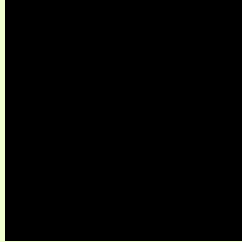
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

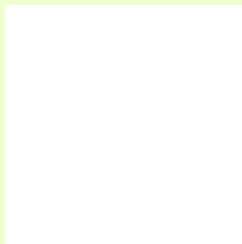
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.0803, 94.5993, 73.5552

## Background



This preview shows how black text looks on a background with the XYZ color 83.0803, 94.5993, 73.5552.



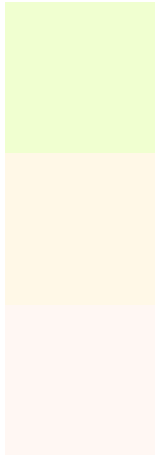
This preview shows how white text looks on a background with the XYZ color 83.0803, 94.5993,

73.5552.

# 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

83.0803, 94.5993, 73.5552

### Protanopia

89.2312, 94.1643, 89.0738

### Deuteranopia

90.6784, 94.2526, 98.2073

## **Tritanopia**

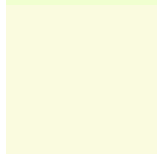
90.6843, 94.4945, 108.0674

# Trichromacy



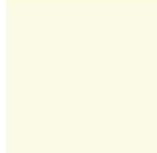
## Original Color

83.0803, 94.5993, 73.5552



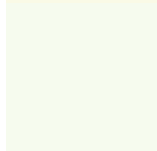
## Protanomaly

87.2408, 94.6461, 83.4825



## Deuteranomaly

87.8929, 94.4084, 88.4531



## Tritanomaly

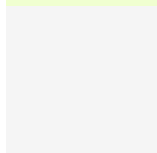
87.9358, 94.7602, 94.5448

# Monochromacy



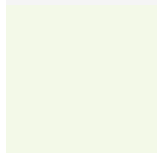
## Original Color

83.0803, 94.5993, 73.5552



## Achromatopsia

86.7900, 91.3099, 99.4364



## Achromatomaly

85.4033, 92.6322, 89.7225

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.0803, 94.5993, 73.5552 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(240, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 208)  
}
```

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(240, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 83.0803, 94.5993, 73.5552 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(240, 255, 208) }
```



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

```
.border{ border-color:rgb(240, 255, 208) }
```

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

Here you see how a box with a 4 pixel rgb(240, 255, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.0803, 94.5993, 73.5552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 208) }
```

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

```
.background{ background-color: rgb(240,  
255, 208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor