

# Converting Colors

XYZ(79.4919, 94.6857, 43.9186)

Have a look what the booklet for  
XYZ(79.4919, 94.6857, 43.9186)  
contains.

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# Color

**XYZ(78.7357, 93.0201,  
43.5106)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4FF98
RGB	244, 255, 152
RGB Percent	96%, 100%, 60%
CMY	0.0431, 0.0000, 0.4039
CMYK	0.04, 0.00, 0.40, 0.00
HSL	66°, 100%, 80%
HSV	66°, 40%, 100%
XYZ	78.7357, 93.0201, 43.5106
YIQ	239.9690, 26.5070, -34.3650

# Conversions

## Conversions Part 2

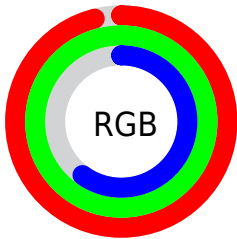
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	152, 255, 163
Decimal	16056216
CIE <sub>Lab</sub>	97.24, -18.50, 47.92
CIE <sub>LCh</sub>	97, 51.368, 111.109
Yxy	93.0201, 0.3658, 0.4321
Android (android.graphics.Color)	4294246296 (0xFFFF4FF98)
YUV	239.9690, -43.3687, 3.5352
Hunter-Lab	96.4469, -23.0613, 40.7650

# Details

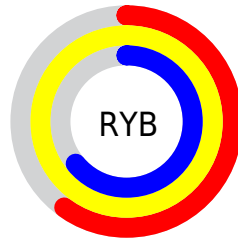
The XYZ color **78.7357, 93.0201, 43.5106** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.3836, 37.4643, 99.4998**, and the grayscale version is **83.1135, 87.4419, 95.2242**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **42.6959, 51.7281, 19.5386** is the 20% darker color. If you saturate the color by 10%, you get **75.9285, 91.7888, 33.6244**, and if you desaturate by 10%, it is **82.0063, 94.4383, 55.7645**.

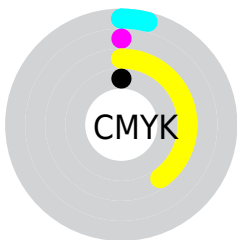
# Distribution



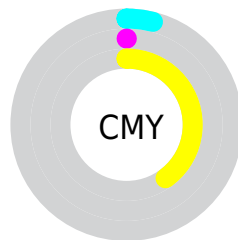
- Red (96%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (64%)



- Cyan (4%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7357, 93.0201, 43.5106 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 78.7357, 93.0201, 43.5106 by changing the saturation by 10% instead.




 78.7357, 93.0201,  
43.5106


 78.7357, 93.0201,  
43.5106


479.4634,  
537.8069, 376.6901

 58.9834, 70.4882,  
29.9516


 130.5466,  
151.5264, 81.7754

 42.8461, 51.9246,  
19.5501


 163.3359,  
188.2697, 107.3183

 29.9584, 36.9450,  
11.8876


201.2016,  
230.5188, 137.6929

 19.9549, 25.1649,  
6.5456

244.5091,  
278.6583, 173.3177

 12.4703, 16.2000,  
3.1055

293.6236,  
333.0724, 214.6113

 7.1393, 9.6658,  
1.1487

348.9106,

 3.5965, 5.1779,

394.1456, 261.9922

0.0000

410.7355,  
462.2623, 315.8790

■ 1.4765, 2.3520,  
0.0000

■ 0.3098, 0.8010,  
0.0000

■ 78.7357, 93.0201,  
43.5106

■ 78.7357, 93.0201,  
43.5106

■ 75.9285, 91.7888,  
33.6244

■ 82.0063, 94.4383,  
55.7645

■ 73.5550, 90.7327,  
25.9491

■ 85.7662, 96.0539,  
70.5216

■ 71.5828, 89.8386,  
20.3150

■ 90.0400, 97.8766,  
87.9118

■ 69.9748, 89.0918,  
16.5263

■ 94.8507, 99.9158,  
108.0549

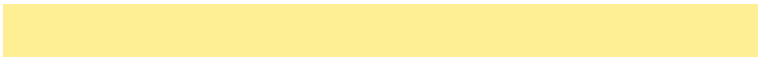
■ 68.6863, 88.4745, 95.0500, 100.0000,  
14.3490 108.9000

■ 67.6807, 87.9757,  
13.4139

# Harmonies

## Analogous

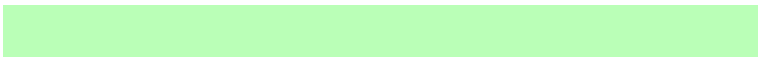
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.7976, 93.0201, 41.0510



78.7357, 93.0201, 43.5106



68.4168, 93.0201, 58.9250

# Triad

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



78.7357, 93.0201, 43.5106



72.0195, 93.0201, 177.1210



118.9591, 93.0201, 114.1481

# Complementary

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



78.7357, 93.0201, 43.5106



44.3836, 37.4643, 99.4998

# 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.



111.9684, 93.0201, 160.2239



78.7357, 93.0201, 43.5106



84.1683, 93.0201, 202.5790

# Square

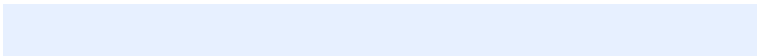
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7357, 93.0201, 43.5106



64.8445, 93.0201, 132.8896



98.8520, 93.0201, 195.6678



117.0947, 93.0201, 75.1331

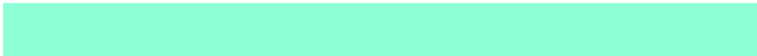


# Rectangle

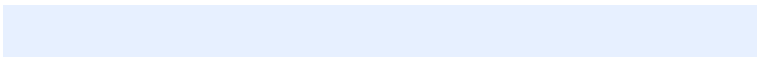
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7357, 93.0201, 43.5106



64.5443, 93.0201, 77.5417



98.8520, 93.0201, 195.6678



117.5411, 93.0201, 129.4342

# Sweetspot

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



78.7359, 93.0202, 43.5119



89.3167, 97.5690, 84.9310



59.8814, 49.4745, 36.1004



18.9939, 20.8312, 17.6719



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

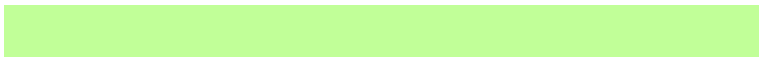
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7359, 93.0202, 43.5119



76.5592, 92.0669, 35.7813



63.4715, 85.1511, 42.7975



19.3588, 20.9864, 19.1748



35.4417, 46.0090, 7.0126



3.5033, 4.5068, 0.6853



# Inverse Universe

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



44.3836, 37.4643, 99.4998



38.1788, 29.9667, 98.3797



56.9523, 43.9437, 100.0880



17.1830, 17.4706, 22.7165



9.7287, 3.9258, 49.6796

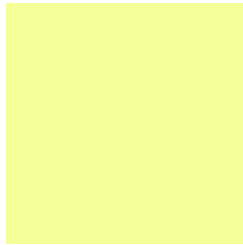


1.0035, 0.4113, 4.8398



# Previews

## White Background



This preview shows how the XYZ color 78.7357, 93.0201, 43.5106 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

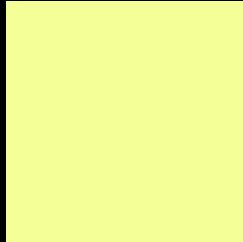
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.7357, 93.0201, 43.5106 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

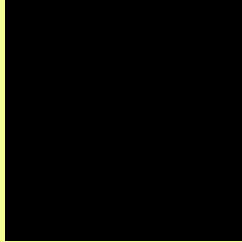
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.7357, 93.0201, 43.5106**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.7357, 93.0201, 43.5106.



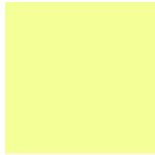
This preview shows how white text looks on a background with the XYZ color 78.7357, 93.0201,



# 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



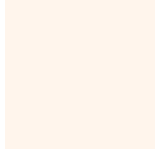
### Original Color

78.7357, 93.0201, 43.5106



### Protanopia

87.2869, 92.8960, 80.3480



### Deuteranopia

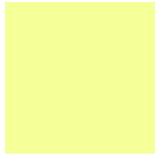
89.0327, 92.6209, 92.5420



## Tritanopia

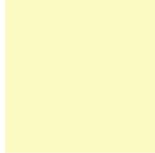
90.9087, 92.8040, 107.7293

# Trichromacy



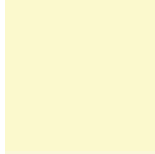
## Original Color

78.7357, 93.0201, 43.5106



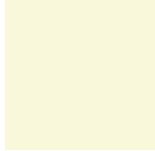
## Protanomaly

83.8196, 92.8206, 65.1282



## Deuteranomaly

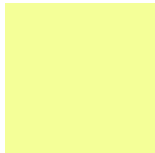
84.6788, 92.6684, 71.1813



## Tritanomaly

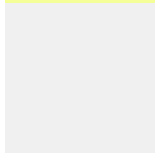
85.6466, 92.5208, 79.6739

# Monochromacy



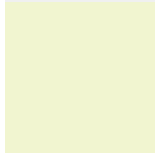
## Original Color

78.7357, 93.0201, 43.5106



## Achromatopsia

82.8234, 87.1367, 94.8919



## Achromatomaly

80.3132, 88.5597, 72.5353

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.7357, 93.0201, 43.5106 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(244, 255, 152)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 152)  
}
```

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(244, 255, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 78.7357, 93.0201, 43.5106 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(244, 255, 152) }
```



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

```
.border{ border-color:rgb(244, 255, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 152);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.7357, 93.0201, 43.5106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 152) }
```

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

```
.background{ background-color: rgb(244,  
255, 152) }
```

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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