

# Converting Colors

XYZ(82.4516, 100.0000,  
54.3371)

Have a look what the booklet for  
XYZ(82.4516, 100.0000, 54.3371)  
contains.

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# Color

**XYZ(78.8994, 92.8879,  
53.3059)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFFAD
RGB	239, 255, 173
RGB Percent	94%, 100%, 68%
CMY	0.0627, 0.0000, 0.3216
CMYK	0.06, 0.00, 0.32, 0.00
HSL	72°, 100%, 84%
HSV	72°, 32%, 100%
XYZ	78.8994, 92.8879, 53.3059
YIQ	240.8680, 16.7860, -28.8940

# Conversions

## Conversions Part 2

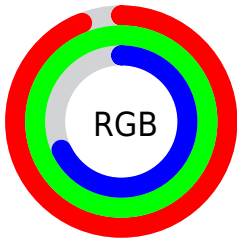
Format	Color
<a href="#">RYB</a>	<a href="#">173, 255, 189</a>
Decimal	<a href="#">15728557</a>
CIELab	<a href="#">97.18, -17.94, 37.51</a>
CIELCh	<a href="#">97, 41.583, 115.563</a>
Yxy	<a href="#">92.8879, 0.3505, 0.4127</a>
Android (android.graphics.Color)	<a href="#">4293918637 (0xFFEFFFAD)</a>
YUV	<a href="#">240.8680, -33.4589, -1.6382</a>
Hunter-Lab	<a href="#">96.3784, -22.5345, 34.6722</a>

# Details

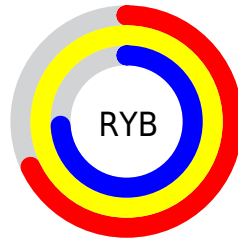
The XYZ color **78.8994, 92.8879, 53.3059** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **53.9810, 47.9273, 101.0135**, and the grayscale version is **83.7501, 88.1116, 95.9535**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **42.8757, 51.6893, 25.4865** is the 20% darker color. If you saturate the color by 10%, you get **75.0057, 91.1389, 41.4494**, and if you desaturate by 10%, it is **83.3110, 94.8492, 67.6473**.

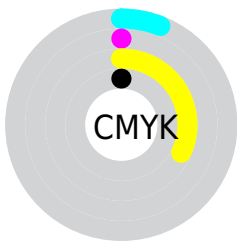
# Distribution



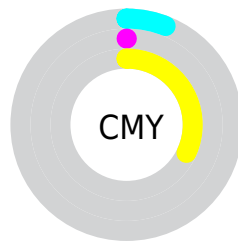
- Red (94%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (74%)



- Cyan (6%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.8994, 92.8879, 53.3059 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 78.8994, 92.8879, 53.3059 by changing the saturation by 10% instead.




 78.8994, 92.8879,  
53.3059

 78.8994, 92.8879,  
53.3059


480.0092,  
537.3810, 416.5572

 59.1184, 70.3783,  
37.6576


 130.7759,  
151.3434, 96.5004

 42.9552, 51.8350,  
25.4173


163.6022,  
188.0581, 124.8838

 30.0443, 36.8736,  
16.1664


201.5076,  
230.2767, 158.3493

 20.0205, 25.1096,  
9.4863

244.8575,  
278.3835, 197.3154

 12.5183, 16.1588,  
4.9586

294.0172,  
332.7629, 242.2007

 7.1724, 9.6366,  
2.1647

349.3522,

 3.6174, 5.1587,

393.7994, 293.4237

0.6539

411.2277,  
461.8773, 351.4030

■ 1.4881, 2.3407,  
0.0000

■ 0.3177, 0.7951,  
0.0000

■ 78.8994, 92.8879,  
53.3059

■ 78.8994, 92.8879,  
53.3059

■ 75.0057, 91.1389,  
41.4494

■ 83.3110, 94.8492,  
67.6473

■ 71.6016, 89.5912,  
31.9322

■ 88.2646, 97.0328,  
84.6000

■ 68.6576, 88.2328,  
24.6000

■ 93.7839, 99.4481,  
104.2866

■ 66.1401, 87.0501,  
19.2781

95.0500, 100.0000,  
108.9000

■ 64.0104, 86.0278,  
15.7650

■ 62.2220, 85.1471,  
13.8175

■ 61.0038, 84.5337,  
13.1014

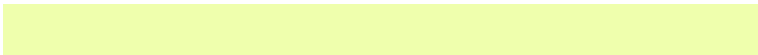
# Harmonies

## Analogous

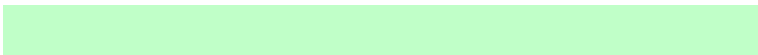
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0453, 92.8879, 49.4021



78.8994, 92.8879, 53.3059



70.9458, 92.8879, 68.8050

# Triad

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



78.8994, 92.8879, 53.3059



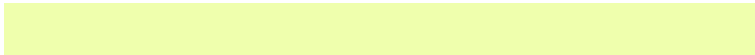
76.1259, 92.8879, 164.3852



112.7626, 92.8879, 106.2241

# Complementary

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



78.8994, 92.8879, 53.3059



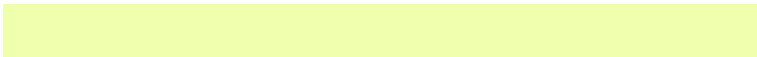
53.9810, 47.9273, 101.0135

# 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.



108.2464, 92.8879, 142.2853



78.8994, 92.8879, 53.3059



86.5521, 92.8879, 180.2670

# Square

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



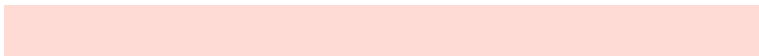
78.8994, 92.8879, 53.3059



69.4469, 92.8879, 131.6825



98.3915, 92.8879, 171.3974

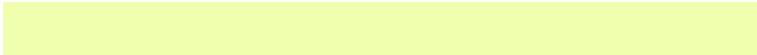


110.2595, 92.8879, 75.7265

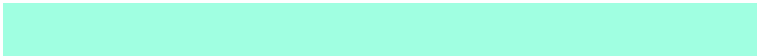


# Rectangle

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



78.8994, 92.8879, 53.3059



68.1790, 92.8879, 85.8605



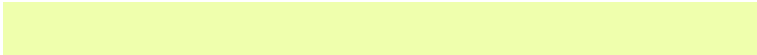
98.3915, 92.8879, 171.3974



112.0048, 92.8879, 118.1306

# Sweetspot

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



78.8997, 92.8880, 53.3072



89.4058, 97.5336, 88.6090



66.7739, 60.2588, 47.6482



18.9766, 20.8061, 18.4035



0.0000, 0.0000, 0.0000

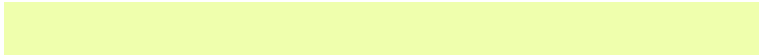


20.3446, 21.4041, 23.3091

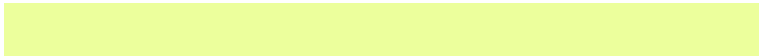


# Same Dimension

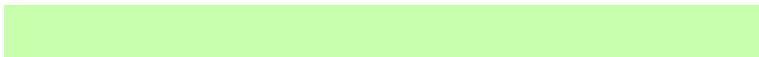
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8997, 92.8880, 53.3072



76.1803, 91.6686, 44.9318



66.8479, 86.6750, 52.7432



19.1935, 20.9012, 19.1671



31.9988, 44.2341, 6.8515



3.2003, 4.3506, 0.6711



# Inverse Universe

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



53.9810, 47.9273, 101.0135



47.5323, 39.9550, 99.8146



65.3181, 53.7718, 101.5441



17.3338, 17.5483, 22.7235



10.2059, 4.1718, 49.7019

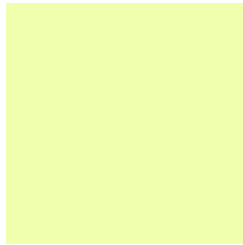


1.0761, 0.4487, 4.8432



# Previews

## White Background



This preview shows how the XYZ color 78.8994, 92.8879, 53.3059 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

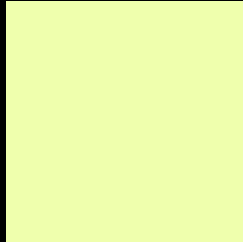
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.8994, 92.8879, 53.3059 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

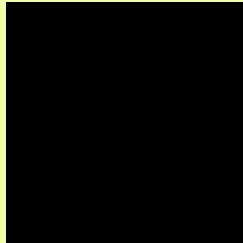
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.8994, 92.8879, 53.3059**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.8994, 92.8879, 53.3059.



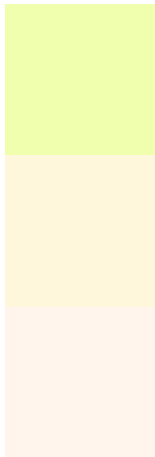
This preview shows how white text looks on a background with the XYZ color 78.8994, 92.8879,



# 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

78.8994, 92.8879, 53.3059

### Protanopia

87.2869, 92.8960, 80.3480

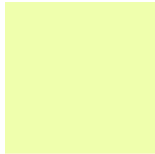
### Deuteranopia

89.1785, 92.6792, 93.3094

## **Tritanopia**

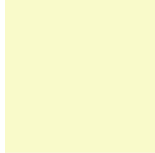
89.7693, 92.6646, 107.7624

# Trichromacy



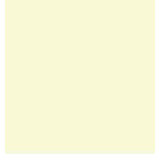
## Original Color

78.8994, 92.8879, 53.3059



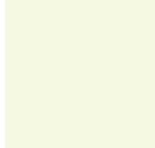
## Protanomaly

83.9132, 92.7752, 69.3618



## Deuteranomaly

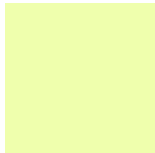
85.0802, 92.7461, 77.0359



## Tritanomaly

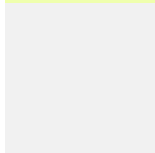
85.1225, 92.6001, 84.6213

# Monochromacy



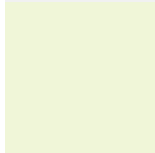
## Original Color

78.8994, 92.8879, 53.3059



## Achromatopsia

83.6081, 87.9622, 95.7909



## Achromatomaly

81.2856, 89.3947, 77.9364

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.8994, 92.8879, 53.3059 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(239, 255, 173)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 173)  
}
```

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(239, 255, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 78.8994, 92.8879, 53.3059 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(239, 255, 173) }
```



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

```
.border{ border-color:rgb(239, 255, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 255, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 173);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.8994, 92.8879, 53.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 173) }
```

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

```
.background{ background-color: rgb(239,  
255, 173) }
```

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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