

# Converting Colors

XYZ(86.1278, 100.0000,  
53.8602)

Have a look what the booklet for  
XYZ(86.1278, 100.0000, 53.8602)  
contains.

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# Color

**XYZ(83.7144, 95.3812,  
53.0279)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">FDFFAC</a>
RGB	<a href="#">253, 255, 172</a>
RGB Percent	<a href="#">99%, 100%, 67%</a>
CMY	<a href="#">0.0078, 0.0000, 0.3255</a>
CMYK	<a href="#">0.01, 0.00, 0.33, 0.00</a>
HSL	<a href="#">61°, 100%, 84%</a>
HSV	<a href="#">61°, 33%, 100%</a>
XYZ	<a href="#">83.7144, 95.3812, 53.0279</a>
YIQ	<a href="#">244.9400, 25.4510, -26.2370</a>

# Conversions

## Conversions Part 2

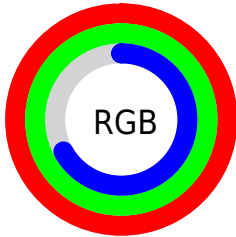
Format	Color
R <sub>Y</sub> B	172, 255, 174
Decimal	16646060
CIE Lab	98.19, -12.90, 39.52
CIE LCh	98, 41.570, 108.077
Yxy	95.3812, 0.3606, 0.4109
Android (android.graphics.Color)	4294836140 (0xFFFDFFAC)
YUV	244.9400, -35.9594, 7.0686
Hunter-Lab	97.6633, -17.9053, 36.1718

# Details

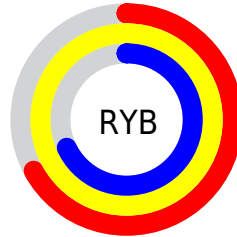
The XYZ color **83.7144, 95.3812, 53.0279** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.2591, 45.7250, 100.7846**, and the grayscale version is **87.0076, 91.5387, 99.6857**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **46.0295, 53.3222, 25.3190** is the 20% darker color. If you saturate the color by 10%, you get **81.2722, 94.3785, 41.3329**, and if you desaturate by 10%, it is **86.6279, 96.5725, 67.2003**.

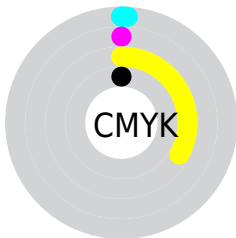
# Distribution



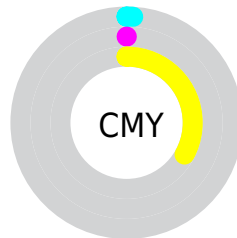
- Red (99%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (68%)



- Cyan (1%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (1%)
- Magenta (0%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.7144, 95.3812, 53.0279 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 83.7144, 95.3812, 53.0279 by changing the saturation by 10% instead.





 83.7144, 95.3812,  
53.0279

 83.7144, 95.3812,  
53.0279


495.9123,  
545.3846, 415.4615

 63.0986, 72.4523,  
37.4372


 137.4989,  
154.7911, 96.0874

 46.1799, 53.5282,  
25.2477


171.3983,  
192.0410, 124.3932

 32.5930, 38.2246,  
16.0410


210.4563,  
234.8332, 157.7745

 21.9726, 26.1571,  
9.3985

255.0382,  
283.5523, 196.6498

 13.9533, 16.9412,  
4.9017

305.5095,  
338.5826, 241.4375

 8.1697, 10.1926,  
2.1320

362.2353,

 4.2564, 5.5268,

400.3084, 292.5564

0.6347

425.5811,  
469.1143, 350.4249

■ 1.8482, 2.5596,  
0.0000

■ 0.5465, 0.9064,  
0.0000

■ 83.7144, 95.3812,  
53.0279

■ 83.7144, 95.3812,  
53.0279

■ 81.2722, 94.3785,  
41.3329

■ 86.6279, 96.5725,  
67.2003

■ 79.2735, 93.5533,  
31.9694

■ 90.0365, 97.9619,  
83.9769

■ 77.6887, 92.8938,  
24.7823

■ 93.9638, 99.5589,  
103.4806

■ 76.4846, 92.3866,  
19.5960

95.0500, 100.0000,  
108.9000

■ 75.6227, 92.0163,  
16.2079

■ 75.0564, 91.7644,  
14.3726

■ 74.7755, 91.6332,  
13.7459

# Harmonies

## Analogous

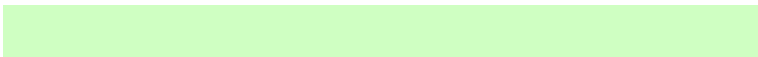
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.4860, 95.3812, 51.8687



83.7144, 95.3812, 53.0279



74.6172, 95.3812, 65.8090

# Triad

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



83.7144, 95.3812, 53.0279



76.1592, 95.3812, 160.8949



115.0407, 95.3812, 118.0468

# Complementary

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



83.7144, 95.3812, 53.0279



50.2591, 45.7250, 100.7846

# 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.



108.8448, 95.3812, 154.3007



83.7144, 95.3812, 53.0279



85.9936, 95.3812, 182.4353

# Square

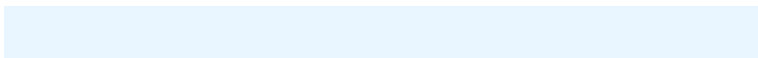
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7144, 95.3812, 53.0279



70.5264, 95.3812, 125.6339



97.9731, 95.3812, 179.7870



114.2942, 95.3812, 84.7489

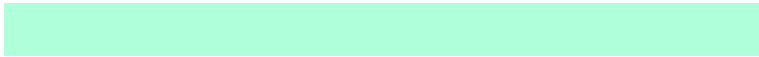


# Rectangle

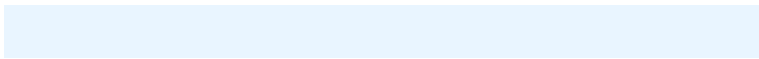
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7144, 95.3812, 53.0279



70.9733, 95.3812, 81.1772



97.9731, 95.3812, 179.7870



113.6800, 95.3812, 130.4033

# Sweetspot

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



83.7147, 95.3813, 53.0292



90.9871, 98.3488, 88.6830



63.7043, 54.2740, 46.1494



19.3619, 21.0047, 18.4215



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

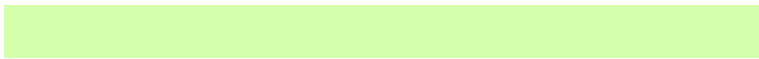
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7147, 95.3813, 53.0292



82.0866, 94.7134, 45.2082



70.3920, 88.5132, 52.4057



19.5154, 21.0671, 19.1821



39.0914, 47.8904, 7.1834



3.8194, 4.6697, 0.7000



# Inverse Universe

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



50.2591, 45.7250, 100.7846



43.9531, 38.1098, 99.6471



60.7935, 51.1556, 101.2776



17.0435, 17.3986, 22.7099



9.4892, 3.8023, 49.6684

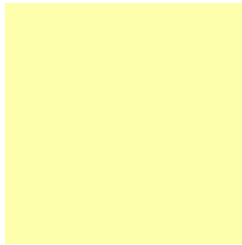


0.9375, 0.3772, 4.8367



# Previews

## White Background



This preview shows how the XYZ color 83.7144, 95.3812, 53.0279 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

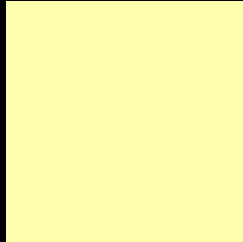
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.7144, 95.3812, 53.0279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

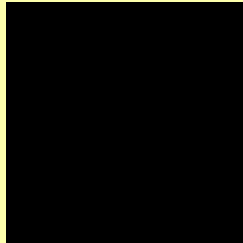
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 83.7144, 95.3812, 53.0279**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.7144, 95.3812, 53.0279.



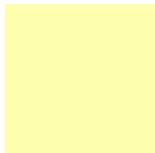
This preview shows how white text looks on a background with the XYZ color 83.7144, 95.3812, 53.0279.



# Color Blindness Simulation

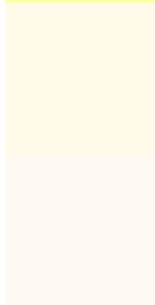
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

83.7144, 95.3812, 53.0279



### Protanopia

90.1336, 95.5144, 90.7764

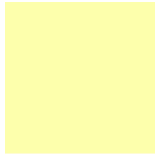
### Deuteranopia

91.2933, 95.4824, 98.4123

## **Tritanopia**

92.8574, 95.6148, 108.1691

# Trichromacy



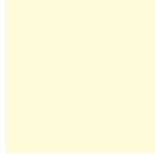
## Original Color

83.7144, 95.3812, 53.0279



## Protanomaly

87.4413, 95.3948, 75.4324



## Deuteranomaly

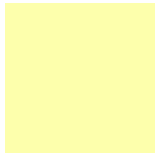
87.8946, 95.0749, 79.3644



## Tritanomaly

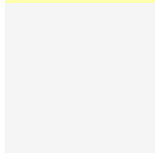
88.9608, 95.5014, 84.9790

# Monochromacy



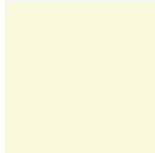
## Original Color

83.7144, 95.3812, 53.0279



## Achromatopsia

86.7900, 91.3099, 99.4364



## Achromatomaly

85.2420, 92.7698, 79.7433

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.7144, 95.3812, 53.0279 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(253, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(253, 255, 172)  
}
```

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(253, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 255, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 83.7144, 95.3812, 53.0279 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(253, 255, 172) }
```



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

```
.border{ border-color:rgb(253, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(253, 255,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.7144, 95.3812, 53.0279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 255, 172) }
```

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

```
.background{ background-color: rgb(253,  
255, 172) }
```

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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