

# Converting Colors

XYZ(81.1914, 95.1920, 54.0792)

Have a look what the booklet for  
XYZ(81.1914, 95.1920, 54.0792)  
contains.

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# Color

**XYZ(80.3621, 93.6307,  
53.8814)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | F3FFAE                      |
| RGB         | 243, 255, 174               |
| RGB Percent | 95%, 100%, 68%              |
| CMY         | 0.0471, 0.0000, 0.3176      |
| CMYK        | 0.05, 0.00, 0.32, 0.00      |
| HSL         | 69°, 100%, 84%              |
| HSV         | 69°, 32%, 100%              |
| XYZ         | 80.3621, 93.6307, 53.8814   |
| YIQ         | 242.1780, 18.8490, -27.7350 |

# Conversions

## Conversions Part 2

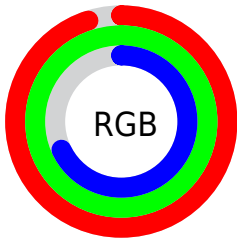
| Format                              | Color   |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">174, 255, 186</a>                                 |
| Decimal                             | <a href="#">15990702</a>                                      |
| CIELab                              | <a href="#">97.48, -16.35, 37.47</a>                          |
| CIELCh                              | <a href="#">97, 40.880, 113.581</a>                           |
| Yxy                                 | <a href="#">93.6307, 0.3527, 0.4109</a>                       |
| Android<br>(android.graphics.Color) | <a href="#">4294180782</a><br>( <a href="#">0xFFFF3FFAE</a> ) |
| YUV                                 | <a href="#">242.1780, -33.6118, 0.7209</a>                    |
| Hunter-Lab                          | <a href="#">96.7630, -21.0901, 34.7191</a>                    |

# Details

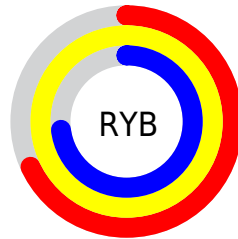
The XYZ color **80.3621, 93.6307, 53.8814** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **53.4368, 47.9325, 101.0432**, and the grayscale version is **84.7855, 89.2010, 97.1399**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **43.8950, 52.2077, 25.8528** is the 20% darker color. If you saturate the color by 10%, you get **76.8169, 92.0635, 41.9473**, and if you desaturate by 10%, it is **84.4068, 95.4007, 68.3047**.

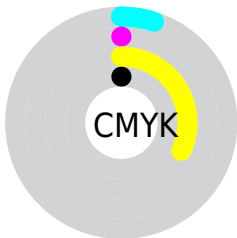
# Distribution



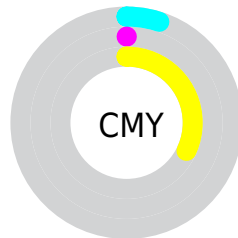
- Red (95%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (73%)



- Cyan (5%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3621, 93.6307, 53.8814 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 80.3621, 93.6307, 53.8814 by changing the saturation by 10% instead.





 80.3621, 93.6307,  
53.8814

 80.3621, 93.6307,  
53.8814

484.8703,  
539.7720, 418.8194

 60.3259, 70.9958,  
38.1143


 132.8226,  
152.3715, 97.3547

 43.9318, 52.3388,  
25.7689


165.9775,  
189.2462, 125.8981

 30.8146, 37.2752,  
16.4266


204.2360,  
231.6364, 159.5372

 20.6088, 25.4206,  
9.6689

247.9635,  
279.9263, 198.6908

 12.9492, 16.3907,  
5.0773

297.5253,  
334.5004, 243.7772

 7.4703, 9.8011,  
2.2331

353.2868,

 3.8069, 5.2673,

395.7432, 295.2151

0.6934

415.6134,  
464.0389, 353.4230

■ 1.5935, 2.4049,  
0.0000

■ 0.3881, 0.8284,  
0.0000

■ 80.3621, 93.6307,  
53.8814

■ 80.3621, 93.6307,  
53.8814

■ 76.8169, 92.0635,  
41.9473

■ 84.4068, 95.4007,  
68.3047

■ 73.7432, 90.6880,  
32.3576

■ 88.9748, 97.3832,  
85.3434

■ 71.1117, 89.4925,  
24.9583

■ 94.0895, 99.5875,  
105.1195

■ 68.8894, 88.4637,  
19.5757

■ 95.0500, 100.0000,  
108.9000

■ 67.0379, 87.5863,  
16.0096

■ 65.5115, 86.8418,  
14.0189

■ 64.4411, 86.3057,  
13.2623

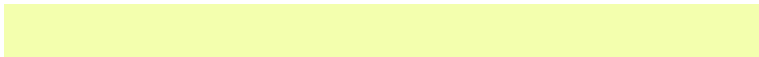
# Harmonies

## Analogous

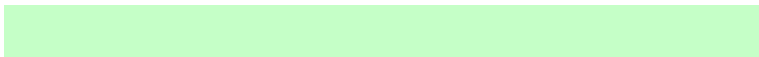
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5109, 93.6307, 50.7189



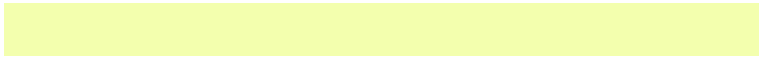
80.3621, 93.6307, 53.8814



72.2187, 93.6307, 68.5221

# Triad

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



80.3621, 93.6307, 53.8814



76.3930, 93.6307, 162.4996



113.0583, 93.6307, 109.2597

# Complementary

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



80.3621, 93.6307, 53.8814



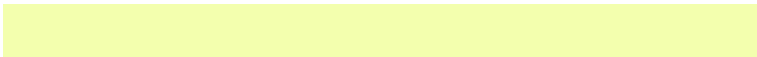
53.4368, 47.9325, 101.0432

# 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.



108.1827, 93.6307, 144.7852



80.3621, 93.6307, 53.8814



86.5221, 93.6307, 179.5457

# Square

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



80.3621, 93.6307, 53.8814



70.0702, 93.6307, 129.7081



98.2211, 93.6307, 172.4434

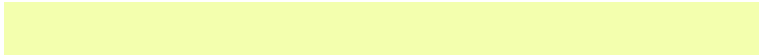


111.0487, 93.6307, 78.4612

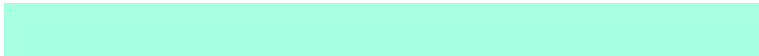


# Rectangle

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



80.3621, 93.6307, 53.8814



69.2604, 93.6307, 84.9317



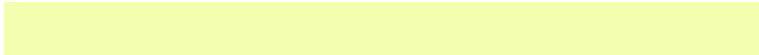
98.2211, 93.6307, 172.4434



112.1575, 93.6307, 121.0975

# Sweetspot

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



80.3624, 93.6308, 53.8827



89.8365, 97.7556, 88.6291



66.1878, 58.9313, 47.9321



19.0814, 20.8601, 18.4084



0.0000, 0.0000, 0.0000

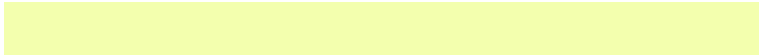


20.3446, 21.4041, 23.3091



# Same Dimension

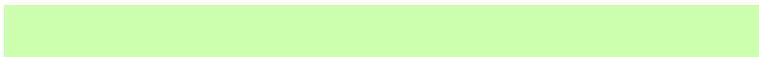
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3624, 93.6308, 53.8827



78.0944, 92.6303, 46.1563



68.2204, 87.3713, 53.3145



19.2812, 20.9464, 19.1712



33.7724, 45.1484, 6.9345



3.3571, 4.4314, 0.6784



# Inverse Universe

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



53.4368, 47.9325, 101.0432



47.4074, 40.5302, 99.9322



64.3318, 53.5491, 101.5531



17.2534, 17.5068, 22.7198



9.9196, 4.0242, 49.6885

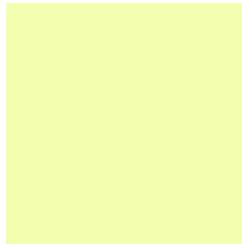


1.0365, 0.4283, 4.8413



# Previews

## White Background



This preview shows how the XYZ color 80.3621, 93.6307, 53.8814 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

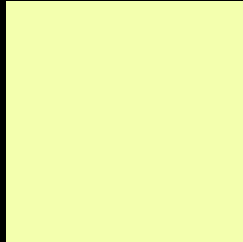
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.3621, 93.6307, 53.8814 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

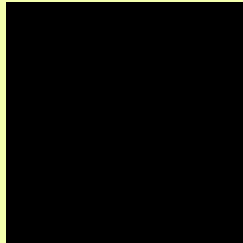
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 80.3621, 93.6307, 53.8814

## Background



This preview shows how black text looks on a background with the XYZ color 80.3621, 93.6307, 53.8814.



This preview shows how white text looks on a background with the XYZ color 80.3621, 93.6307,



# Color Blindness Simulation

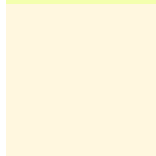
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



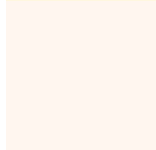
### Original Color

80.3621, 93.6307, 53.8814



### Protanopia

87.8200, 93.1092, 83.1553



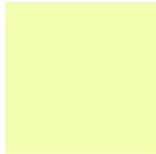
### Deuteranopia

89.7758, 93.4035, 94.9583

## **Tritanopia**

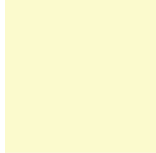
90.7894, 93.6408, 107.8971

# Trichromacy



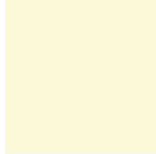
## Original Color

80.3621, 93.6307, 53.8814



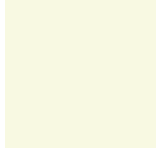
## Protanomaly

84.9887, 93.2882, 71.2847



## Deuteranomaly

85.9251, 93.1669, 77.7443



## Tritanomaly

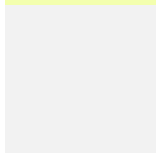
86.3145, 93.1988, 85.3914

# Monochromacy



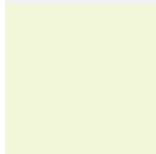
## Original Color

80.3621, 93.6307, 53.8814



## Achromatopsia

84.3971, 88.7923, 96.6948



## Achromatomaly

82.4031, 90.4085, 78.7531

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.3621, 93.6307, 53.8814 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(243, 255, 174)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 174)  
}
```

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(243, 255, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 80.3621, 93.6307, 53.8814 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(243, 255, 174) }
```



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

```
.border{ border-color:rgb(243, 255, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 255, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.3621, 93.6307, 53.8814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 174) }
```

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

```
.background{ background-color: rgb(243,  
255, 174) }
```

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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