

# Converting Colors

XYZ(97.7707, 127.8316,  
67.8076)

Have a look what the booklet for  
XYZ(97.7707, 127.8316, 67.8076)  
contains.

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# **Color**

**XYZ(80.5419, 93.5448,  
61.9551)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFFB D
RGB	239, 255, 189
RGB Percent	94%, 100%, 74%
CMY	0.0627, 0.0000, 0.2588
CMYK	0.06, 0.00, 0.26, 0.00
HSL	75°, 100%, 87%
HSV	75°, 26%, 100%
XYZ	80.5419, 93.5448, 61.9551
YIQ	242.6920, 11.6500, -23.9180

# Conversions

## Conversions Part 2

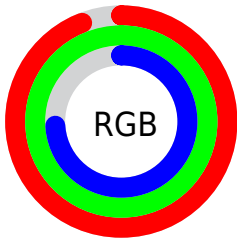
Format	Color
<b>RYB</b>	189, 255, 205
Decimal	15728573
CIELab	97.45, -15.85, 29.87
CIELCh	97, 33.816, 117.955
Yxy	93.5448, 0.3412, 0.3963
Android (android.graphics.Color)	4293918653 (0xFFEFFFBD)
YUV	242.6920, -26.4702, -3.2379
Hunter-Lab	96.7186, -20.6125, 29.7235

# Details

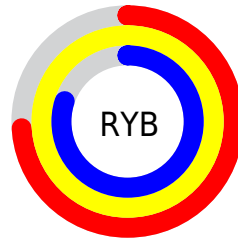
The XYZ color **80.5419, 93.5448, 61.9551** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.4255, 56.5956, 102.2943**, and the grayscale version is **85.1430, 89.5771, 97.5495**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **43.8587, 52.0825, 30.6630** is the 20% darker color. If you saturate the color by 10%, you get **75.9611, 91.4755, 48.5398**, and if you desaturate by 10%, it is **85.6817, 95.8461, 77.9395**.

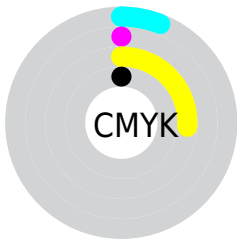
# Distribution



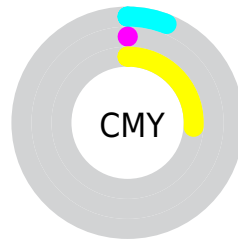
- Red (94%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (80%)



- Cyan (6%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5419, 93.5448, 61.9551 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 80.5419, 93.5448, 61.9551 by changing the saturation by 10% instead.





 80.5419, 93.5448,  
61.9551

 80.5419, 93.5448,  
61.9551


485.4660,  
539.4958, 449.7704

 60.4744, 70.9244,  
44.5609


 133.0739,  
152.2527, 109.2316

 44.0520, 52.2805,  
30.7713


166.2690,  
189.1089, 139.9509

 30.9095, 37.2287,  
20.1677


204.5708,  
231.4792, 175.9491

 20.6814, 25.3846,  
12.3317

248.3445,  
279.7480, 217.6445

 13.0025, 16.3638,  
6.8447

297.9555,  
334.2997, 265.4559

 7.5073, 9.7820,  
3.2882

353.7692,

 3.8304, 5.2546,

395.5186, 319.8016

1.2436

416.1509,  
463.7891, 381.1003

■ 1.6067, 2.3974,  
0.0149

■ 0.3967, 0.8246,  
0.0000

■ 80.5419, 93.5448,  
61.9551

■ 80.5419, 93.5448,  
61.9551

■ 75.9611, 91.4755,  
48.5398

■ 85.6817, 95.8461,  
77.9395

■ 71.9118, 89.6270,  
37.5553

■ 91.4035, 98.3884,  
96.6133

■ 68.3658, 87.9878,  
28.8564

95.0500, 100.0000,  
108.9000

■ 65.2918, 86.5455,  
22.2810

■ 62.6541, 85.2855,  
17.6457

■ 60.4112, 84.1914,  
14.7358

■ 58.5118, 83.2423,  
13.2852

■ 57.7987, 82.8814,  
12.9514

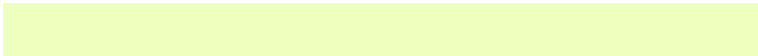
# Harmonies

## Analogous

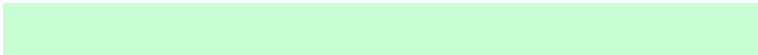
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5713, 93.5448, 57.6574



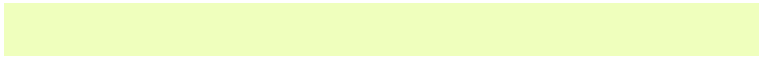
80.5419, 93.5448, 61.9551



74.1751, 93.5448, 76.3181

# Triad

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



80.5419, 93.5448, 61.9551



79.4794, 93.5448, 153.5142



108.6485, 93.5448, 103.7509

# Complementary

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



80.5419, 93.5448, 61.9551



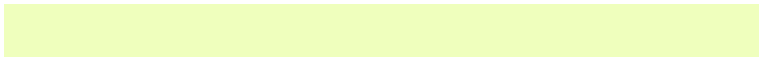
61.4255, 56.5956, 102.2943

# Split Complementary

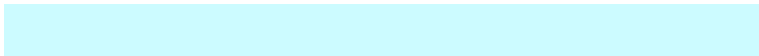
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.4809, 93.5448, 132.5327



80.5419, 93.5448, 61.9551



88.2550, 93.5448, 164.2936

# Square

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



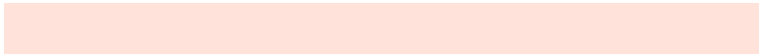
80.5419, 93.5448, 61.9551



73.5934, 93.5448, 128.6797



97.8418, 93.5448, 156.0052

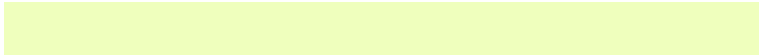


106.2202, 93.5448, 79.0430

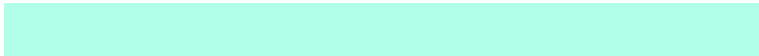


# Rectangle

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



80.5419, 93.5448, 61.9551



72.0646, 93.5448, 91.2237



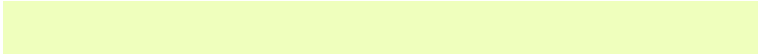
97.8418, 93.5448, 156.0052



108.1984, 93.5448, 113.2804

# Sweetspot

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



80.5424, 93.5451, 61.9565



90.1415, 97.8291, 92.4266



72.1141, 68.3112, 57.5301



19.1057, 20.8559, 19.1629



0.0000, 0.0000, 0.0000

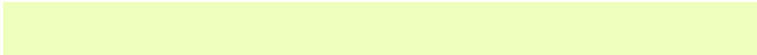


20.3446, 21.4041, 23.3091

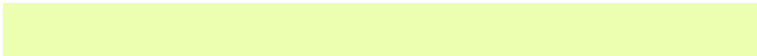


# Same Dimension

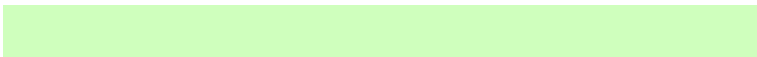
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5424, 93.5451, 61.9565



78.1293, 92.4575, 54.7766



70.5666, 88.4023, 61.4896



19.1057, 20.8559, 19.1629



30.3424, 43.3802, 6.7740



3.0522, 4.2742, 0.6641



# Inverse Universe

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



61.4255, 56.5956, 102.2943



56.1006, 49.8683, 101.2765



71.3071, 61.6898, 102.7568



17.4153, 17.5903, 22.7273



10.5747, 4.3619, 49.7192

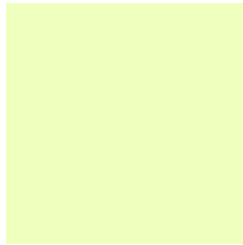


1.1228, 0.4727, 4.8453



# Previews

## White Background



This preview shows how the XYZ color 80.5419, 93.5448, 61.9551 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

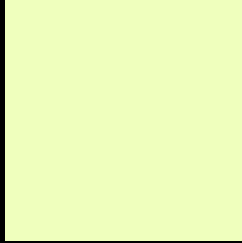
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.5419, 93.5448, 61.9551 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

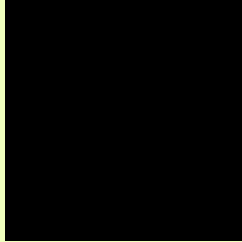
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

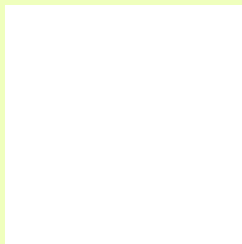
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 80.5419, 93.5448, 61.9551

## Background



This preview shows how black text looks on a background with the XYZ color 80.5419, 93.5448, 61.9551.



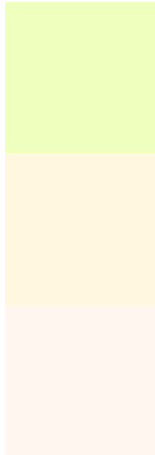
This preview shows how white text looks on a background with the XYZ color 80.5419, 93.5448,

61.9551.

# 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

80.5419, 93.5448, 61.9551

### Protanopia

87.9553, 93.1633, 83.8676

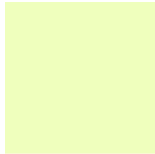
### Deuteranopia

89.7758, 93.4035, 94.9583

## Tritanopia

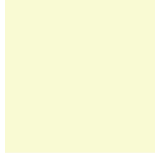
89.7172, 93.0880, 107.8469

# Trichromacy



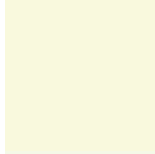
## Original Color

80.5419, 93.5448, 61.9551



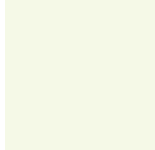
## Protanomaly

85.0104, 93.2141, 75.1396



## Deuteranomaly

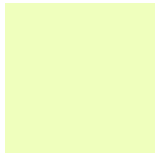
85.9937, 93.1116, 81.8466



## Tritanomaly

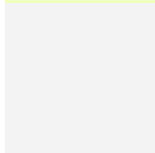
85.9557, 92.9334, 89.0089

# Monochromacy



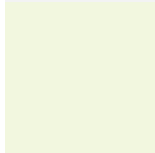
## Original Color

80.5419, 93.5448, 61.9551



## Achromatopsia

85.1904, 89.6269, 97.6037



## Achromatomaly

83.1980, 90.7265, 82.9390

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.5419, 93.5448, 61.9551 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 80.5419, 93.5448, 61.9551 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, 189) }
```



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

```
.border{ border-color:rgb(239, 255, 189) }
```

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, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.5419, 93.5448, 61.9551 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, 189) }
```

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

```
.background{ background-color: rgb(239,  
255, 189) }
```

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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