

# Converting Colors

XYZ(79.7072, 93.2072, 57.7277)

Have a look what the booklet for  
XYZ(79.7072, 93.2072, 57.7277)  
contains.

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# Color

**XYZ(79.6971, 93.2069,  
57.5063)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFFB5
RGB	239, 255, 181
RGB Percent	94%, 100%, 71%
CMY	0.0627, 0.0000, 0.2902
CMYK	0.06, 0.00, 0.29, 0.00
HSL	73°, 100%, 85%
HSV	73°, 29%, 100%
XYZ	79.6971, 93.2069, 57.5063
YIQ	241.7800, 14.2180, -26.4060

# Conversions

## Conversions Part 2

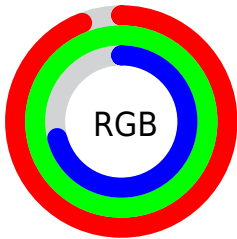
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 255, 197
Decimal	15728565
CIELab	97.31, -16.92, 33.70
CIELCh	97, 37.710, 116.664
Yxy	93.2069, 0.3459, 0.4045
Android (android.graphics.Color)	4293918645 (0xFFEFFF85)
YUV	241.7800, -29.9645, -2.4381
Hunter-Lab	96.5437, -21.5993, 32.2645

# Details

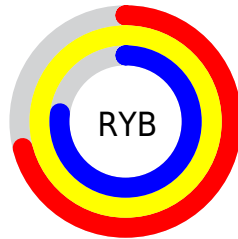
The XYZ color **79.6971, 93.2069, 57.5063** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **57.6008, 52.1393, 101.6357**, and the grayscale version is **84.4449, 88.8426, 96.7496**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **43.3163, 51.8656, 27.8067** is the 20% darker color. If you saturate the color by 10%, you get **75.4822, 91.3092, 44.8781**, and if you desaturate by 10%, it is **84.4486, 95.3259, 72.6619**.

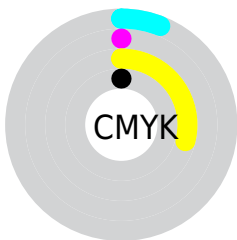
# Distribution



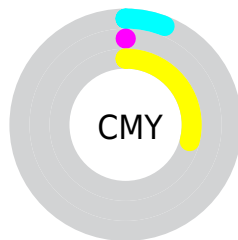
- Red (94%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (77%)



- Cyan (6%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.6971, 93.2069, 57.5063 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 79.6971, 93.2069, 57.5063 by changing the saturation by 10% instead.




 79.6971, 93.2069,  
57.5063

 79.6971, 93.2069,  
57.5063


482.6636,  
538.4085, 432.8905

 59.7767, 70.6435,  
40.9998


 131.8925,  
151.7850, 102.7112

 43.4875, 52.0513,  
27.9992


164.8983,  
188.5685, 132.2467

 30.4640, 37.0460,  
18.0860


202.9967,  
230.8608, 166.9623

 20.3408, 25.2431,  
10.8417

246.5529,  
279.0464, 207.2766

 12.7527, 16.2583,  
5.8477

295.9323,  
333.5095, 253.6080

 7.3343, 9.7071,  
2.6854

351.5003,

 3.7202, 5.2052,

394.6346, 306.3751

0.9361

413.6223,  
462.8062, 365.9964

■ 1.5451, 2.3681,  
0.0000

■ 0.3562, 0.8094,  
0.0000

■ 79.6971, 93.2069,  
57.5063

■ 79.6971, 93.2069,  
57.5063

■ 75.4822, 91.3092,  
44.8781

■ 84.4486, 95.3259,  
72.6619

■ 71.7759, 89.6214,  
34.6356

■ 89.7600, 97.6754,  
90.4681

■ 68.5496, 88.1320,  
26.6291

95.0500, 100.0000,  
108.9000

■ 65.7707, 86.8281,  
20.6906

■ 63.4024, 85.6946,  
16.6281

■ 61.4009, 84.7141,  
14.2141

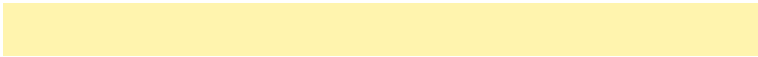
■ 59.7017, 83.8608,  
13.1120

■ 59.5433, 83.7808,  
13.0330

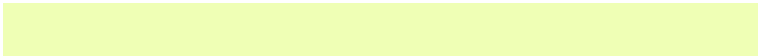
# Harmonies

## Analogous

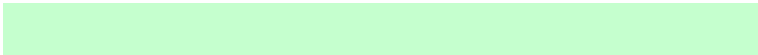
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7898, 93.2069, 53.3968



79.6971, 93.2069, 57.5063



72.5286, 93.2069, 72.4952

# Triad

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



79.6971, 93.2069, 57.5063



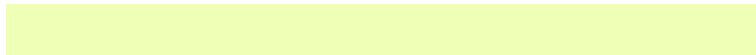
77.7852, 93.2069, 158.9290



110.6954, 93.2069, 104.9448

# Complementary

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



79.6971, 93.2069, 57.5063



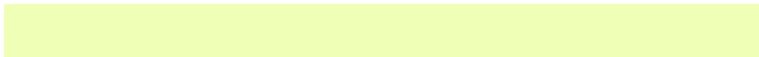
57.6008, 52.1393, 101.6357

# 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.



106.8639, 93.2069, 137.3295



79.6971, 93.2069, 57.5063



87.4016, 93.2069, 172.1869

# Square

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



79.6971, 93.2069, 57.5063



71.4886, 93.2069, 130.2098



98.1218, 93.2069, 163.5853

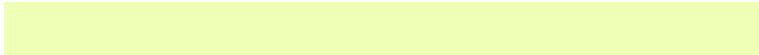


108.2228, 93.2069, 77.3321

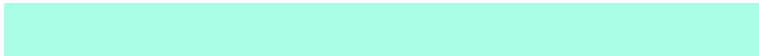


# Rectangle

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



79.6971, 93.2069, 57.5063



70.0860, 93.2069, 88.5255



98.1218, 93.2069, 163.5853



110.0949, 93.2069, 115.6545

# Sweetspot

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



79.6975, 93.2071, 57.5076



89.7705, 97.6800, 90.5039



69.2760, 63.9869, 52.4168



19.0415, 20.8312, 18.7806



0.0000, 0.0000, 0.0000

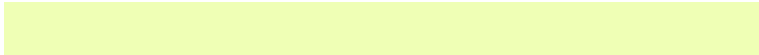


20.3446, 21.4041, 23.3091

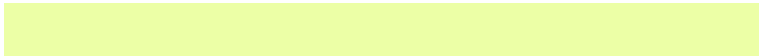


# Same Dimension

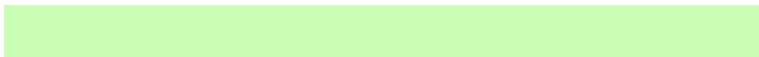
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.6975, 93.2071, 57.5076



77.1134, 92.0460, 49.6586



68.7843, 87.5811, 56.9969



19.1543, 20.8810, 19.1652



31.2444, 43.8452, 6.8162



3.1331, 4.3159, 0.6679



# Inverse Universe

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



57.6008, 52.1393, 101.6357



51.6598, 44.7218, 100.5171



68.1136, 57.5589, 102.1277



17.3701, 17.5670, 22.7252



10.3600, 4.2513, 49.7091

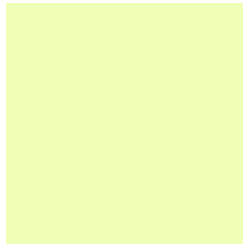


1.0961, 0.4590, 4.8441



# Previews

## White Background



This preview shows how the XYZ color 79.6971, 93.2069, 57.5063 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

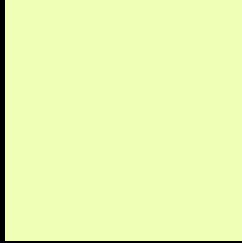
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.6971, 93.2069, 57.5063 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

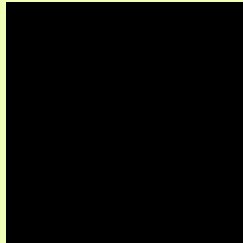
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

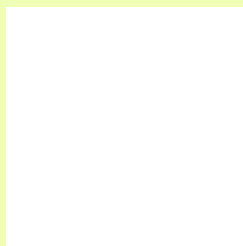
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.6971, 93.2069, 57.5063**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.6971, 93.2069, 57.5063.



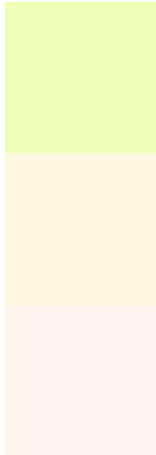
This preview shows how white text looks on a background with the XYZ color 79.6971, 93.2069,



# 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**

79.6971, 93.2069, 57.5063

**Protanopia**

87.6856, 93.0555, 82.4472

**Deuteranopia**

89.3250, 92.7379, 94.0812

## Tritanopia

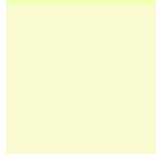
89.7172, 93.0880, 107.8469

# Trichromacy



## Original Color

79.6971, 93.2069, 57.5063



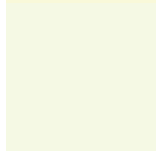
## Protanomaly

84.5150, 93.0159, 72.5309



## Deuteranomaly

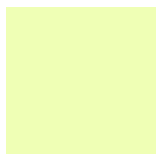
85.4670, 92.9009, 79.0727



## Tritanomaly

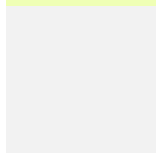
85.5355, 92.7653, 86.7961

# Monochromacy



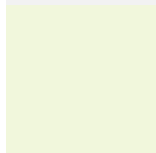
## Original Color

79.6971, 93.2069, 57.5063



## Achromatopsia

84.3971, 88.7923, 96.6948



## Achromatomaly

82.4547, 90.3896, 80.8113

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.6971, 93.2069, 57.5063 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 79.6971, 93.2069, 57.5063 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, 181) }
```



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

```
.border{ border-color:rgb(239, 255, 181) }
```

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, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.6971, 93.2069, 57.5063 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, 181) }
```

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

```
.background{ background-color: rgb(239,  
255, 181) }
```

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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