

# Converting Colors

XYZ(80.1365, 93.3233, 62.5051)

Have a look what the booklet for  
XYZ(80.1365, 93.3233, 62.5051)  
contains.

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# Color

**XYZ(79.9793, 93.2422,  
62.4974)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFFBE
RGB	237, 255, 190
RGB Percent	93%, 100%, 75%
CMY	0.0706, 0.0000, 0.2549
CMYK	0.07, 0.00, 0.25, 0.00
HSL	77°, 100%, 87%
HSV	77°, 25%, 100%
XYZ	79.9793, 93.2422, 62.4974
YIQ	242.2080, 10.1370, -24.0310

# Conversions

## Conversions Part 2

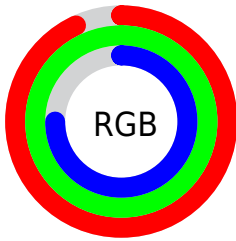
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 255, 208
Decimal	15597502
CIE <sub>Lab</sub>	97.33, -16.43, 29.18
CIE <sub>LCh</sub>	97, 33.484, 119.383
Yxy	93.2422, 0.3393, 0.3956
Android (android.graphics.Color)	4293787582 (0xFFEDFFBE)
YUV	242.2080, -25.7385, -4.5674
Hunter-Lab	96.5620, -21.1375, 29.2194

# Details

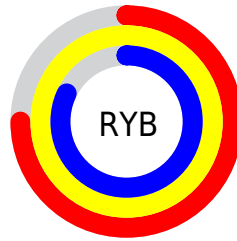
The XYZ color **79.9793, 93.2422, 62.4974** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.4769, 57.4581, 102.4054**, and the grayscale version is **84.7539, 89.1677, 97.1036**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **43.6941, 51.9895, 31.0246** is the 20% darker color. If you saturate the color by 10%, you get **75.1199, 91.0314, 48.9719**, and if you desaturate by 10%, it is **85.4202, 95.6964, 78.5981**.

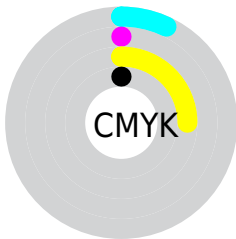
# Distribution



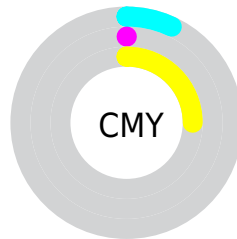
- Red (93%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (82%)



- Cyan (7%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9793, 93.2422, 62.4974 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 79.9793, 93.2422, 62.4974 by changing the saturation by 10% instead.





 79.9793, 93.2422,  
62.4974

 79.9793, 93.2422,  
62.4974


483.6007,  
538.5221, 451.8008

 60.0097, 70.6728,  
44.9963


 132.2873,  
151.8339, 110.0227

 43.6760, 52.0752,  
31.1116


165.3564,  
188.6250, 140.8839

 30.6127, 37.0651,  
20.4247


203.5228,  
230.9255, 177.0357

 20.4545, 25.2579,  
12.5170

247.1518,  
279.1197, 218.8965

 12.8360, 16.2693,  
6.9700

296.6087,  
333.5921, 266.8849

 7.3919, 9.7149,  
3.3652

352.2589,

 3.7569, 5.2103,

394.7270, 321.4193

1.2840

414.4678,  
462.9089, 382.9185

■ 1.5655, 2.3712,  
0.0486

■ 0.3698, 0.8110,  
0.0000

■ 79.9793, 93.2422,  
62.4974

■ 79.9793, 93.2422,  
62.4974

■ 75.1199, 91.0314,  
48.9719

■ 85.4202, 95.6964,  
78.5981

■ 70.8141, 89.0527,  
37.8836

■ 91.4658, 98.4032,  
97.3939

■ 67.0335, 87.2945,  
29.0880

95.0500, 100.0000,  
108.9000

■ 63.7466, 85.7441,  
22.4235

■ 60.9174, 84.3871,  
17.7077

■ 58.5045, 83.2066,  
14.7274

■ 56.4565, 82.1821,  
13.2192

■ 55.6194, 81.7579,  
12.8494

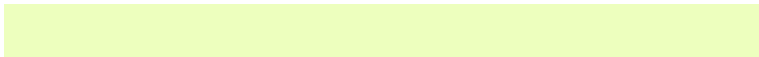
# Harmonies

## Analogous

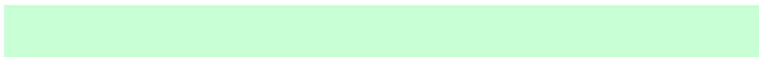
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8204, 93.2422, 57.7655



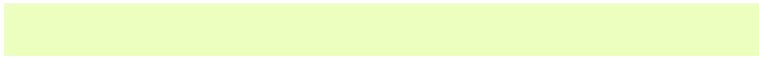
79.9793, 93.2422, 62.4974



73.8467, 93.2422, 77.1945

# Triad

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



79.9793, 93.2422, 62.4974



79.6622, 93.2422, 153.3938



108.1256, 93.2422, 102.0882

# Complementary

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



79.9793, 93.2422, 62.4974



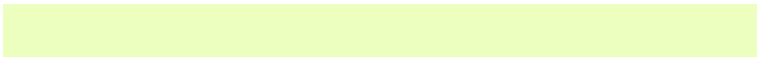
62.4769, 57.4581, 102.4054

# Split Complementary

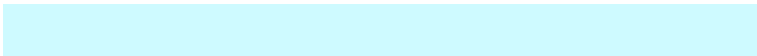
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.2517, 93.2422, 130.4956



79.9793, 93.2422, 62.4974



88.4277, 93.2422, 163.1717

# Square

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



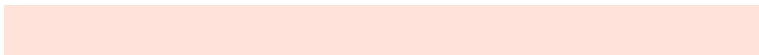
79.9793, 93.2422, 62.4974



73.6730, 93.2422, 129.3477



97.8700, 93.2422, 154.1354

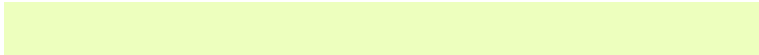


105.4720, 93.2422, 78.0086

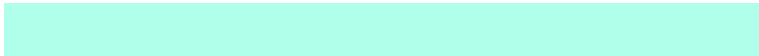


# Rectangle

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



79.9793, 93.2422, 62.4974



71.8906, 93.2422, 92.2085



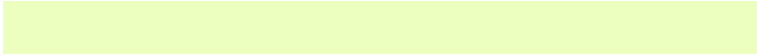
97.8700, 93.2422, 154.1354



107.7710, 93.2422, 111.4486

# Sweetspot

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



79.9798, 93.2424, 62.4988



89.8897, 97.6993, 92.4148



72.9286, 69.7660, 58.3390



19.0420, 20.8231, 19.1600



0.0000, 0.0000, 0.0000

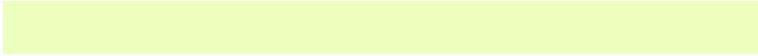


20.3446, 21.4041, 23.3091

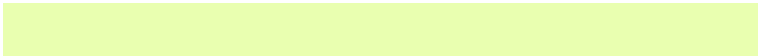


# Same Dimension

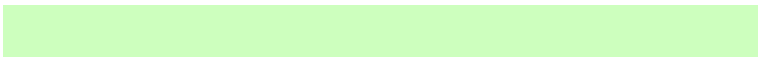
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9798, 93.2424, 62.4988



77.2314, 91.9946, 54.7346



70.2779, 88.2409, 62.0447



19.0420, 20.8231, 19.1600



29.2144, 42.7986, 6.7212



2.9504, 4.2217, 0.6594



# Inverse Universe

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



62.4769, 57.4581, 102.4054



56.8123, 50.2352, 101.3098



72.3428, 62.5441, 102.8671



17.4751, 17.6211, 22.7301



10.8977, 4.5285, 49.7343

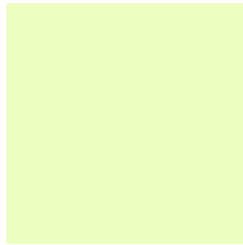


1.1613, 0.4926, 4.8471



# Previews

## White Background



This preview shows how the XYZ color 79.9793, 93.2422, 62.4974 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

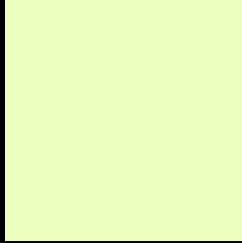
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.9793, 93.2422, 62.4974 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

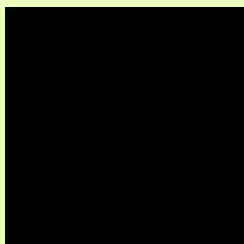
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

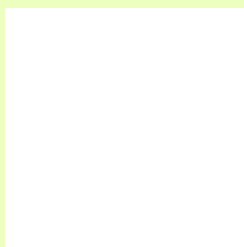
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.9793, 93.2422, 62.4974**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.9793, 93.2422, 62.4974.



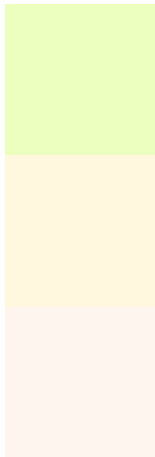
This preview shows how white text looks on a background with the XYZ color 79.9793, 93.2422,

62.4974.

# 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

79.9793, 93.2422, 62.4974

### Protanopia

87.6856, 93.0555, 82.4472

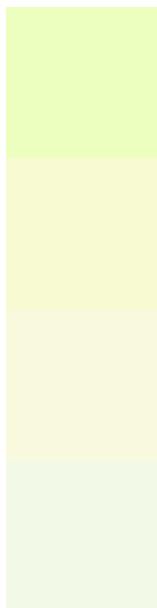
### Deuteranopia

89.4724, 92.7968, 94.8572

## **Tritanopia**

89.3635, 92.9057, 107.8304

# Trichromacy



## Original Color

79.9793, 93.2422, 62.4974

## Protanomaly

84.5299, 92.9808, 74.4647

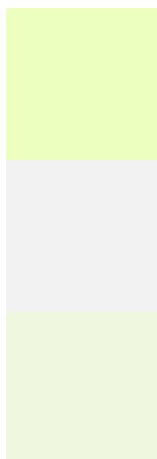
## Deuteranomaly

85.6382, 92.9283, 81.8299

## Tritanomaly

85.2616, 92.5756, 88.9764

# Monochromacy



## Original Color

79.9793, 93.2422, 62.4974

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

82.5152, 90.3745, 82.9070

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.9793, 93.2422, 62.4974 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(237, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 190)  
}
```

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(237, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 79.9793, 93.2422, 62.4974 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(237, 255, 190) }
```



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

```
.border{ border-color:rgb(237, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.9793, 93.2422, 62.4974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 190) }
```

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

```
.background{ background-color: rgb(237,  
255, 190) }
```

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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