

# Converting Colors

XYZ(78.7955, 89.0435, 63.4470)

Have a look what the booklet for  
XYZ(78.7955, 89.0435, 63.4470)  
contains.

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# Color

**XYZ(78.8216, 88.8970,  
63.4566)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0F7C1
RGB	240, 247, 193
RGB Percent	94%, 97%, 76%
CMY	0.0588, 0.0313, 0.2431
CMYK	0.03, 0.00, 0.22, 0.03
HSL	68°, 77%, 86%
HSV	68°, 22%, 97%
XYZ	78.8216, 88.8970, 63.4566
YIQ	238.7510, 13.1620, -18.2780

# Conversions

## Conversions Part 2

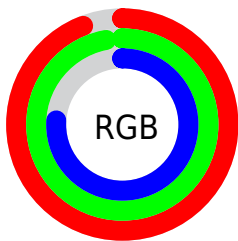
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 247, 200
Decimal	15792065
CIELab	95.54, -11.01, 25.25
CIELCh	96, 27.543, 113.559
Yxy	88.8970, 0.3410, 0.3845
Android (android.graphics.Color)	4293982145 (0xFFFF0F7C1)
YUV	238.7510, -22.5552, 1.0954
Hunter-Lab	94.2852, -15.7747, 26.0958

# Details

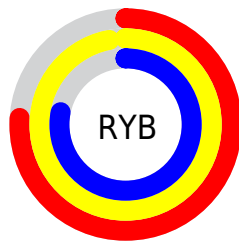
The XYZ color **78.8216, 88.8970, 63.4566** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.6813, 57.1371, 95.8835**, and the grayscale version is **82.0151, 86.2862, 93.9657**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **43.0582, 49.3160, 31.6756** is the 20% darker color. If you saturate the color by 10%, you get **75.2158, 87.3331, 50.0860**, and if you desaturate by 10%, it is **82.9115, 90.6627, 79.2557**.

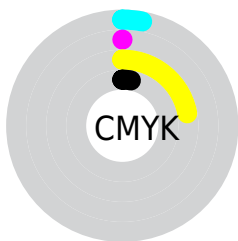
# Distribution



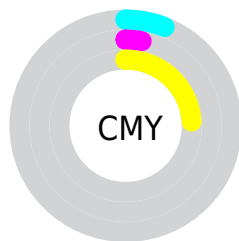
- Red (94%)
- Green (97%)
- Blue (76%)



- Red (76%)
- Yellow (97%)
- Blue (78%)



- Cyan (3%)
- Magenta (0%)
- Yellow (22%)
- Black (3%)



- Cyan (6%)
- Magenta (3%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.8216, 88.8970, 63.4566 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 78.8216, 88.8970, 63.4566 by changing the saturation by 10% instead.



78.8216, 88.8970,  
63.4566

78.8216, 88.8970,  
63.4566

479.7498,  
524.4363, 455.3782

59.0543, 67.0662,  
45.7673

130.6669,  
145.8053, 111.4199

42.9033, 49.1384,  
31.7149

163.4756,  
181.6516, 142.5310

30.0035, 34.7293,  
20.8808

201.3622,  
222.9386, 178.9532

19.9893, 23.4544,  
12.8465

244.6919,  
270.0505, 221.1049

12.4955, 14.9294,  
7.1935

293.8302,  
323.3718, 269.4047

7.1567, 8.7699,  
3.5031


349.1424,


3.6075, 4.5914,


383.2870, 324.2711


1.3569


410.9938,  
450.1803, 386.1228


 1.4826, 2.0096,  
0.1078


 0.3139, 0.6130,  
0.0000


 78.8216, 88.8970,  
63.4566


 78.8216, 88.8970,  
63.4566


 75.2158, 87.3331,  
50.0860


 82.9115, 90.6627,  
79.2557


 72.0643, 85.9502,  
39.0178

 87.4999, 92.6271,  
97.5895

 69.3443, 84.7420,  
30.1234

 90.5984, 93.9978,  
107.9761

 67.0287, 83.6978,  
23.2593

 91.7540, 94.5935,  
108.0302

65.0867, 82.8052,  
18.2644

92.5526, 95.0052,  
108.0675

63.4831, 82.0502,  
14.9537

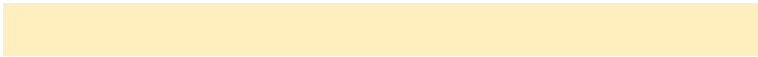
62.1754, 81.4156,  
13.1042

61.2767, 80.9670,  
12.3986

# Harmonies

## Analogous

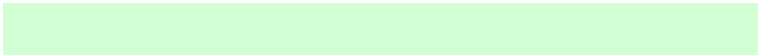
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1336, 88.8970, 61.0693



78.8216, 88.8970, 63.4566



73.3417, 88.8970, 74.1316

# Triad

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



78.8216, 88.8970, 63.4566



76.1582, 88.8970, 134.2541



99.7612, 88.8970, 101.5348

# Complementary

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



78.8216, 88.8970, 63.4566



59.6813, 57.1371, 95.8835

# Split Complementary

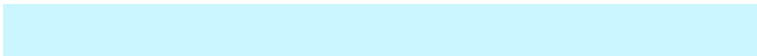
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.7230, 88.8970, 123.6592



78.8216, 88.8970, 63.4566



82.8752, 88.8970, 144.2815

# Square

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



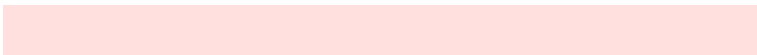
78.8216, 88.8970, 63.4566



71.8692, 88.8970, 114.3863



90.4321, 88.8970, 140.1410

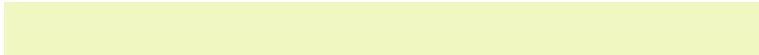


98.5167, 88.8970, 81.1043

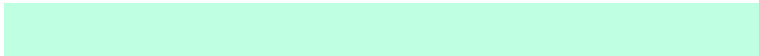


# Rectangle

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



78.8216, 88.8970, 63.4566



71.3171, 88.8970, 85.4932



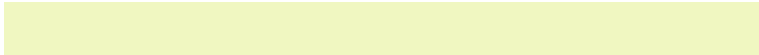
90.4321, 88.8970, 140.1410



99.2013, 88.8970, 109.0486

# Sweetspot

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



78.8239, 88.9009, 63.4585



91.4613, 98.4667, 94.4212



68.4789, 64.6119, 59.3155



19.5130, 21.0487, 19.9566



0.0000, 0.0000, 0.0000

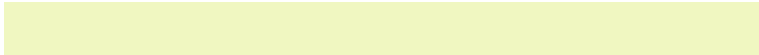


20.3446, 21.4041, 23.3091

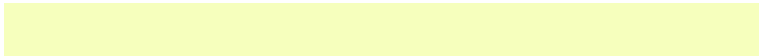


# Same Dimension

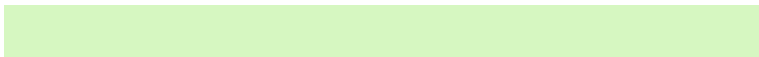
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8239, 88.9009, 63.4585



83.0592, 94.8463, 61.9030



70.5336, 84.6271, 63.0705



17.6908, 19.1982, 17.5708



32.4915, 42.8628, 6.5609



2.9134, 3.7970, 0.5793



# Inverse Universe

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



59.6813, 57.1371, 95.8835



59.2878, 55.3971, 102.1757



67.3195, 61.0747, 96.2410



15.7809, 16.0297, 20.8049



9.2591, 3.7475, 46.7734

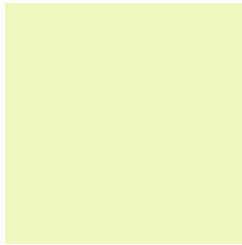


0.8756, 0.3612, 4.1138



# Previews

## White Background



This preview shows how the XYZ color 78.8216, 88.8970, 63.4566 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

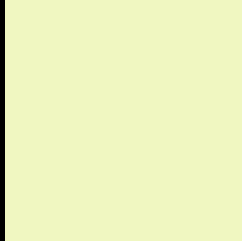
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.8216, 88.8970, 63.4566 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

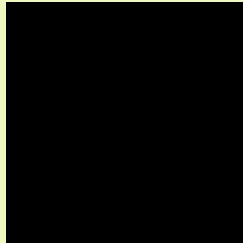
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.8216, 88.8970, 63.4566**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.8216, 88.8970, 63.4566.



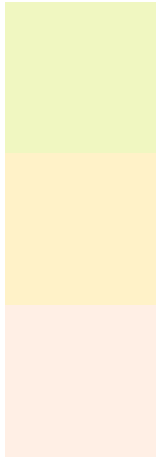
This preview shows how white text looks on a background with the XYZ color 78.8216, 88.8970,

63.4566.

# 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

78.8216, 88.8970, 63.4566

### Protanopia

83.4175, 88.9344, 67.4131

### Deuteranopia

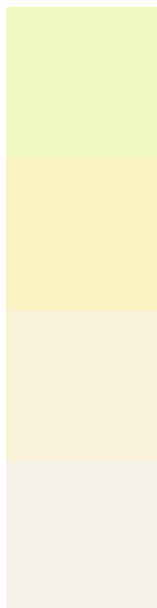
86.2494, 88.6501, 86.6941



## Tritanopia

87.6279, 88.9095, 107.1505

# Trichromacy



## Original Color

78.8216, 88.8970, 63.4566

## Protanomaly

81.8531, 89.0566, 65.6988

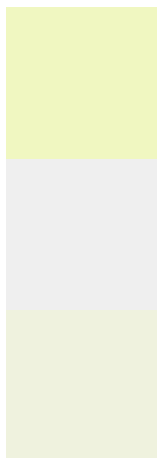
## Deuteranomaly

83.5711, 88.7861, 77.6985

## Tritanomaly

83.9738, 88.7429, 89.0471

# Monochromacy



## Original Color

78.8216, 88.8970, 63.4566

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

80.5336, 87.1289, 81.6802

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.8216, 88.8970, 63.4566 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(240, 247, 193)` looks like.

```
.text, #text, p{  
    color:rgb(240, 247, 193)  
}
```

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(240, 247, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 247, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 78.8216, 88.8970, 63.4566 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(240, 247, 193) }
```



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

```
.border{ border-color:rgb(240, 247, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 247, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 247, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 247, 193);  
box-shadow:4px 4px 4px 4px rgb(240, 247,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.8216, 88.8970, 63.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 247, 193) }
```

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

```
.background{ background-color: rgb(240,  
247, 193) }
```

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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