

# Converting Colors

XYZ(82.9563, 90.1572, 78.5849)

Have a look what the booklet for  
XYZ(82.9563, 90.1572, 78.5849)  
contains.

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# Color

**XYZ(83.1363, 90.3338,  
78.7000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F6D9
RGB	245, 246, 217
RGB Percent	96%, 96%, 85%
CMY	0.0392, 0.0353, 0.1490
CMYK	0.00, 0.00, 0.12, 0.04
HSL	62°, 62%, 91%
HSV	62°, 12%, 96%
XYZ	83.1363, 90.3338, 78.7000
YIQ	242.3950, 8.7130, -9.2310

# Conversions

## Conversions Part 2

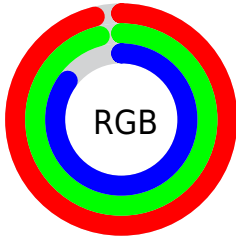
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 246, 218
Decimal	16119513
CIE Lab	96.14, -5.17, 13.85
CIE LCh	96, 14.780, 110.454
Yxy	90.3338, 0.3297, 0.3582
Android (android.graphics.Color)	4294309593 (0xFFF5F6D9)
YUV	242.3950, -12.5197, 2.2846
Hunter-Lab	95.0441, -10.1909, 17.4366

# Details

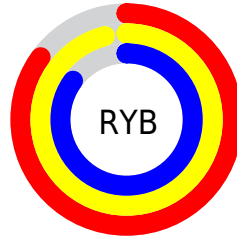
The XYZ color **83.1363, 90.3338, 78.7000** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.3644, 71.1874, 97.2257**, and the grayscale version is **84.8044, 89.2208, 97.1615**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9213, 50.2544, 41.4622** is the 20% darker color. If you saturate the color by 10%, you get **79.8762, 88.9985, 63.0711**, and if you desaturate by 10%, it is **86.8797, 91.8686, 96.8450**.

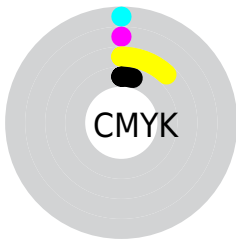
# Distribution



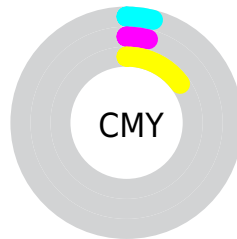
- Red (96%)
- Green (96%)
- Blue (85%)



- Red (85%)
- Yellow (96%)
- Blue (85%)



- Cyan (0%)
- Magenta (0%)
- Yellow (12%)
- Black (4%)




- Cyan (4%)
- Magenta (4%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.1363, 90.3338, 78.7000 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 83.1363, 90.3338, 78.7000 by changing the saturation by 10% instead.




 83.1363, 90.3338,  
78.7000

 83.1363, 90.3338,  
78.7000


494.0177,  
529.1161, 510.1316

 62.6199, 68.2575,  
58.1293


136.6939,  
147.8020, 133.3313

 45.7913, 50.1073,  
41.4972


170.4658,  
183.9627, 168.2289

 32.2851, 35.4986,  
28.3852


209.3868,  
225.5869, 208.7394

 21.7359, 24.0472,  
18.3747

253.8225,  
273.0592, 255.2811

 13.7785, 15.3687,  
11.0471

304.1380,  
326.7639, 308.2726

 8.0474, 9.0785,  
5.9839

360.6989,

 4.1774, 4.7924,

387.0853, 368.1325

2.7667

423.8703,  
454.4079, 435.2794

■ 1.8030, 2.1260,  
0.9768

■ 0.5195, 0.6792,  
0.0000

■ 83.1363, 90.3338,  
78.7000

■ 83.1363, 90.3338,  
78.7000

■ 79.8762, 88.9985,  
63.0711

■ 86.8797, 91.8686,  
96.8450

■ 77.0711, 87.8423,  
49.8416


■ 89.2619, 92.8561,  
107.8262


■ 74.7008, 86.8602,  
38.8946


■ 89.5628, 93.0112,  
107.8402


■ 72.7408, 86.0424,  
30.1009


■ 89.8652, 93.1671,  
107.8544


 71.1640, 85.3780,  
23.3182


 90.1689, 93.3236,  
107.8686


 69.9402, 84.8550,  
18.3876


 90.4739, 93.4809,  
107.8829


 69.0348, 84.4595,  
15.1260

 90.7804, 93.6389,  
107.8972

 68.4058, 84.1747,  
13.3130

 91.0883, 93.7976,  
107.9116

 68.0429, 84.0024,  
12.6278

 91.3975, 93.9570,  
107.9261

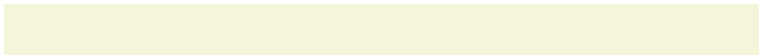
# Harmonies

## Analogous

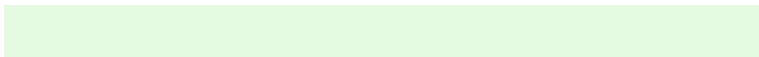
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1724, 90.3338, 77.7473



83.1363, 90.3338, 78.7000



79.9278, 90.3338, 84.6832

# Triad

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



83.1363, 90.3338, 78.7000



80.9415, 90.3338, 116.7988



93.8638, 90.3338, 102.1467

# Complementary

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



83.1363, 90.3338, 78.7000



70.3644, 71.1874, 97.2257

# Split Complementary

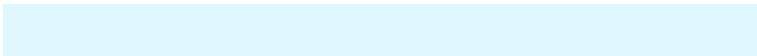
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.0778, 90.3338, 113.4313



83.1363, 90.3338, 78.7000



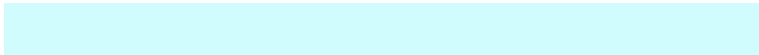
84.5599, 90.3338, 122.3233

# Square

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



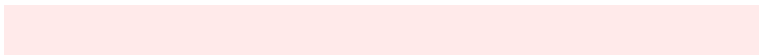
83.1363, 90.3338, 78.7000



78.6889, 90.3338, 106.4538



88.6417, 90.3338, 121.0442



93.4531, 90.3338, 90.6837

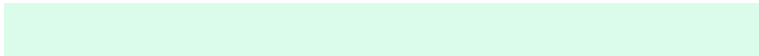


# Rectangle

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



83.1363, 90.3338, 78.7000



78.6486, 90.3338, 91.0025



88.6417, 90.3338, 121.0442



93.4983, 90.3338, 106.0999

# Sweetspot

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



83.1387, 90.3378, 78.7019



93.3210, 99.2934, 100.4732



75.5961, 74.7303, 76.0869



19.9070, 21.2252, 21.1770



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

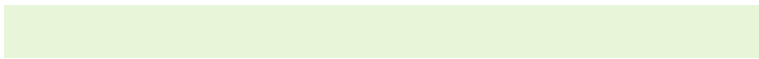
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1387, 90.3378, 78.7019



89.3719, 97.6764, 81.3681



78.2881, 87.8371, 78.4749



17.8546, 19.2826, 17.5784



36.3426, 44.8481, 6.7411



3.2116, 3.9507, 0.5933



# Inverse Universe

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



70.3644, 71.1874, 97.2257



73.1380, 73.3394, 104.9089



74.8806, 73.5156, 97.4370



15.6343, 15.9541, 20.7980



8.9597, 3.5932, 46.7594

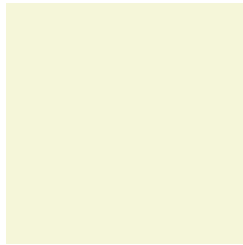


0.8058, 0.3253, 4.1105



# Previews

## White Background



This preview shows how the XYZ color 83.1363, 90.3338, 78.7000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

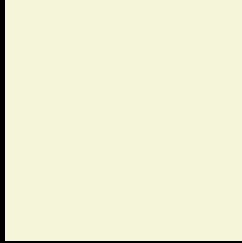
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.1363, 90.3338, 78.7000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

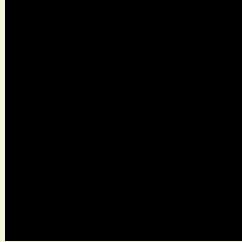
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

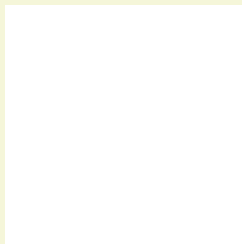
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.1363, 90.3338, 78.7000**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.1363, 90.3338, 78.7000.



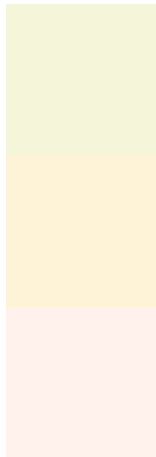
This preview shows how white text looks on a background with the XYZ color 83.1363, 90.3338,

78.7000.

# 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

83.1363, 90.3338, 78.7000

### Protanopia

85.5563, 90.2675, 77.2040

### Deuteranopia

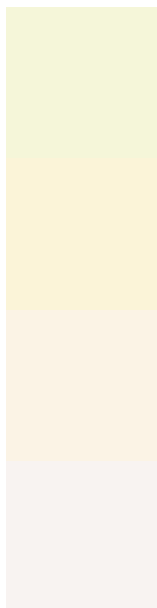
87.8356, 90.2267, 92.1429



## Tritanopia

88.5722, 90.2703, 107.3634

# Trichromacy



## Original Color

83.1363, 90.3338, 78.7000

## Protanomaly

84.5290, 90.1685, 77.9148

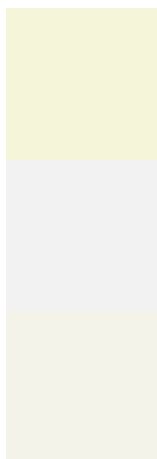
## Deuteranomaly

85.9771, 90.2676, 87.0206

## Tritanomaly

86.6392, 90.4085, 96.1033

# Monochromacy



## Original Color

83.1363, 90.3338, 78.7000

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

83.7207, 89.0391, 89.8645

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.1363, 90.3338, 78.7000 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(245, 246, 217)` looks like.

```
.text, #text, p{  
    color:rgb(245, 246, 217)  
}
```

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(245, 246, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 246, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 83.1363, 90.3338, 78.7000 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(245, 246, 217) }
```



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

```
.border{ border-color:rgb(245, 246, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 246, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 246, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 246, 217);  
box-shadow:4px 4px 4px 4px rgb(245, 246,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.1363, 90.3338, 78.7000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 246, 217) }
```

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

```
.background{ background-color: rgb(245,  
246, 217) }
```

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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