

Converting Colors

XYZ(83.0582, 89.9613, 86.7788)

Have a look what the booklet for
XYZ(83.0582, 89.9613, 86.7788)
contains.

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Color

**XYZ(83.3743, 90.2694,
87.1582)**

Conversions

Conversions Part 1

Format	Color
Hex	F1F6E5
RGB	241, 246, 229
RGB Percent	95%, 96%, 90%
CMY	0.0549, 0.0353, 0.1020
CMYK	0.02, 0.00, 0.07, 0.04
HSL	78°, 49%, 93%
HSV	78°, 7%, 96%
XYZ	83.3743, 90.2694, 87.1582
YIQ	242.5670, 2.4770, -6.3470

Conversions

Conversions Part 2

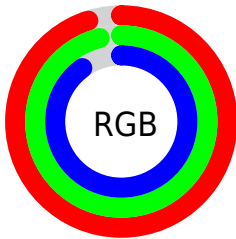
Format	Color
R _Y B	229, 246, 234
Decimal	15857381
CIE Lab	96.11, -4.59, 7.59
CIE LCh	96, 8.872, 121.187
Yxy	90.2694, 0.3197, 0.3461
Android (android.graphics.Color)	4294047461 (0xFFFF1F6E5)
YUV	242.5670, -6.6885, -1.3743
Hunter-Lab	95.0102, -9.6288, 12.1171

Details

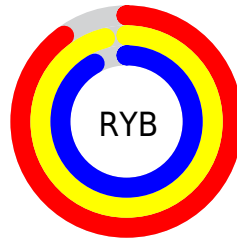
The XYZ color **83.3743, 90.2694, 87.1582** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.5889, 80.1873, 98.5290**, and the grayscale version is **84.8996, 89.3210, 97.2705**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0610, 50.1972, 47.3057** is the 20% darker color. If you saturate the color by 10%, you get **77.7583, 87.7461, 70.2178**, and if you desaturate by 10%, it is **89.5803, 93.0459, 106.6707**.

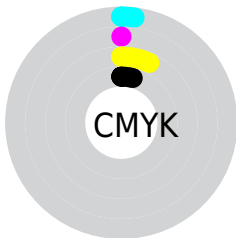
Distribution



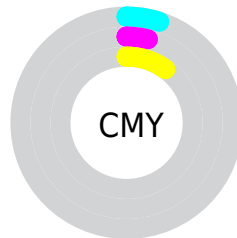
- Red (95%)
- Green (96%)
- Blue (90%)



- Red (90%)
- Yellow (96%)
- Blue (92%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)



- Cyan (5%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.3743, 90.2694, 87.1582 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 83.3743, 90.2694, 87.1582 by changing the saturation by 10% instead.

83.3743, 90.2694,
87.1582

83.3743, 90.2694,
87.1582

494.7982,
528.9068, 539.0723

62.8169, 68.2041,
65.0658

137.0254,
147.7125, 145.2854

45.9512, 50.0638,
47.0627

170.8498,
183.8592, 182.1573

32.4118, 35.4641,
32.7305

209.8273,
225.4684, 224.7928

21.8333, 24.0206,
21.6507

254.3232,
272.9246, 273.6103

13.8504, 15.3489,
13.4046

304.7029,
326.6121, 329.0285

8.0977, 9.0646,
7.5737

361.3317,

4.2098, 4.7834,

386.9154, 391.4658

3.7396

424.5750,
454.2188, 461.3409

■ 1.8215, 2.1207,
1.4836

■ 0.5306, 0.6762,
0.2057

■ 83.3743, 90.2694,
87.1582

■ 83.3743, 90.2694,
87.1582

■ 77.7583, 87.7461,
70.2178

■ 89.5803, 93.0459,
106.6707

■ 72.7034, 85.4555,
55.7363

■ 92.2475, 94.3950,
107.9658

■ 68.1891, 83.3922,
43.6009

■ 64.1908, 81.5462,
33.6875

■ 60.6814, 79.9067,
25.8607

■ 57.6313, 78.4615,
19.9702

■ 55.0070, 77.1972,
15.8459

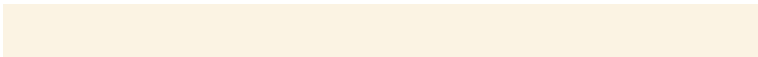
■ 52.7692, 76.0979,
13.2877

■ 50.8683, 75.1435,
12.0413

Harmonies

Analogous

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



85.7005, 90.2694, 85.3678



83.3743, 90.2694, 87.1582



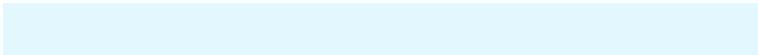
81.7238, 90.2694, 91.9083

Triad

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



83.3743, 90.2694, 87.1582



83.5408, 90.2694, 110.6304



90.6105, 90.2694, 98.0078

Complementary

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



83.3743, 90.2694, 87.1582



78.5889, 80.1873, 98.5290

Split Complementary

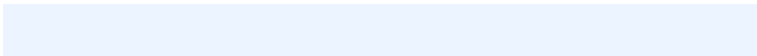
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.0062, 90.2694, 104.9563



83.3743, 90.2694, 87.1582



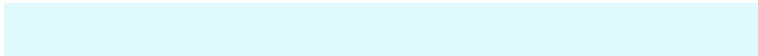
85.8963, 90.2694, 112.4502

Square

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



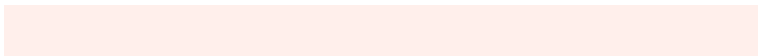
83.3743, 90.2694, 87.1582



81.8186, 90.2694, 105.4647



88.2689, 90.2694, 110.3272



89.9051, 90.2694, 91.4446

Rectangle

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



83.3743, 90.2694, 87.1582



81.2125, 90.2694, 96.2290



88.2689, 90.2694, 110.3272



90.5537, 90.2694, 100.3762

Sweetspot

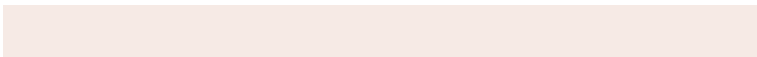
The Sweet Spot groups the original color and five complimentary colors.



83.3768, 90.2733, 87.1602



93.6896, 99.3923, 104.6070



81.5226, 83.9941, 86.0459



20.0677, 21.2804, 22.4351



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.



83.3768, 90.2733, 87.1602



89.7633, 97.6341, 92.4088



80.6025, 88.8431, 87.0303



17.4120, 19.0544, 17.5577



27.0076, 40.0357, 6.3042



2.4761, 3.5715, 0.5589

Inverse Universe

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



78.5889, 80.1873, 98.5290



83.7844, 85.0389, 106.6060



81.3837, 81.6280, 98.6598



16.0394, 16.1630, 20.8170



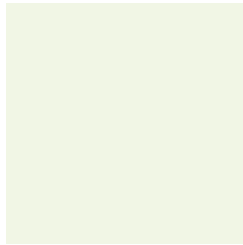
10.4426, 4.3577, 46.8288



1.0162, 0.4337, 4.1204

Previews

White Background



This preview shows how the XYZ color 83.3743, 90.2694, 87.1582 looks on a white background.

Color Contrast Check

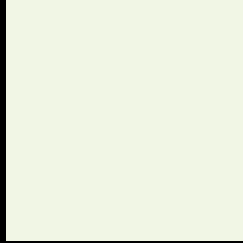
Large Text (above 18pt) WCAG AA × Fail

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 83.3743, 90.2694, 87.1582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

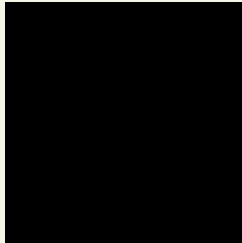
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

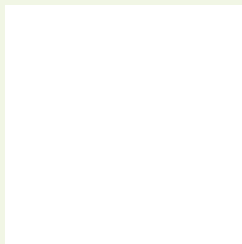
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.3743, 90.2694, 87.1582

Background



This preview shows how black text looks on a background with the XYZ color 83.3743, 90.2694, 87.1582.



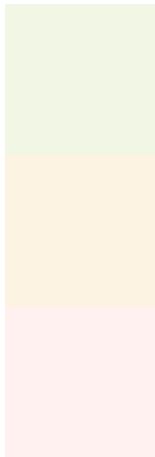
This preview shows how white text looks on a background with the XYZ color 83.3743, 90.2694,

87.1582.

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

83.3743, 90.2694, 87.1582

Protanopia

86.0606, 90.3427, 85.5750

Deuteranopia

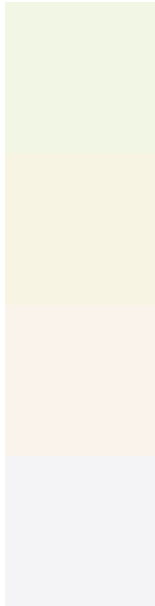
88.2753, 90.4026, 94.4582



Tritanopia

87.4583, 90.1367, 107.3963

Trichromacy



Original Color

83.3743, 90.2694, 87.1582

Protanomaly

85.0657, 90.2593, 86.3371

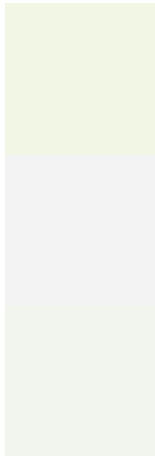
Deuteranomaly

86.4703, 90.4233, 91.4932

Tritanomaly

85.9934, 89.9881, 100.0259

Monochromacy



Original Color

83.3743, 90.2694, 87.1582

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.4012, 89.7517, 93.7643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3743, 90.2694, 87.1582 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(241, 246, 229) looks like.

```
.text, #text, p{  
    color:rgb(241, 246, 229)  
}
```

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(241, 246, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 246, 229) }
```

Border

The CSS property to change the border of an element to XYZ 83.3743, 90.2694, 87.1582 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(241, 246, 229) }
```


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

```
.border{ border-color:rgb(241, 246, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 246, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 246, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 246, 229);  
box-shadow:4px 4px 4px 4px rgb(241, 246,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3743, 90.2694, 87.1582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 246, 229) }
```

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

```
.background{ background-color: rgb(241,  
246, 229) }
```

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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