

# Converting Colors

XYZ(84.8442, 83.7644, 87.0367)

Have a look what the booklet for  
XYZ(84.8442, 83.7644, 87.0367)  
contains.

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# Color

**XYZ(83.6831, 83.0681,  
87.2245)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE5E7
RGB	255, 229, 231
RGB Percent	100%, 90%, 91%
CMY	0.0000, 0.1019, 0.0941
CMYK	0.00, 0.10, 0.09, 0.00
HSL	355°, 100%, 95%
HSV	355°, 10%, 100%
XYZ	83.6831, 83.0681, 87.2245
YIQ	237.0020, 14.8540, 6.1340

# Conversions

## Conversions Part 2

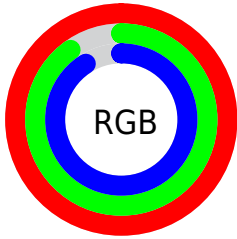
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 229, 231
Decimal	16770535
CIE <sub>Lab</sub>	93.04, 9.20, 2.26
CIE <sub>LCh</sub>	93, 9.477, 13.796
Yxy	83.0681, 0.3295, 0.3271
Android (android.graphics.Color)	4294960615 (0xFFFFE5E7)
YUV	237.0020, -2.9590, 15.7842
Hunter-Lab	91.1417, 4.3944, 7.0574

# Details

The XYZ color **83.6831, 83.0681, 87.2245** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.8053, 95.2711, 106.7989**, and the grayscale version is **80.5135, 84.7065, 92.2454**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1626, 45.3730, 46.8823** is the 20% darker color. If you saturate the color by 10%, you get **74.0344, 68.7387, 68.6922**, and if you desaturate by 10%, it is **94.8192, 99.6559, 108.4612**.

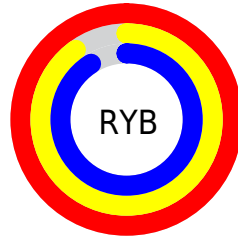
# Distribution



Red (100%)

Green (90%)

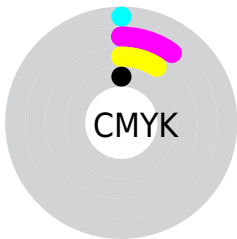
Blue (91%)



Red (100%)

Yellow (90%)

Blue (91%)

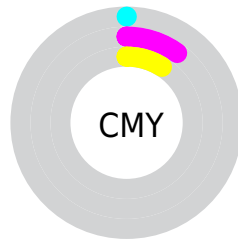


Cyan (0%)

Magenta (10%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.6831, 83.0681, 87.2245 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 83.6831, 83.0681, 87.2245 by changing the saturation by 10% instead.




 83.6831, 83.0681,  
87.2245

 83.6831, 83.0681,  
87.2245


495.8099,  
505.2135, 539.2956

 63.0727, 62.2463,  
65.1203

137.4554,  
137.6708, 145.3786

 46.1589, 45.2318,  
47.1067


171.3479,  
172.2206, 182.2657

 32.5763, 31.6400,  
32.7651


210.3985,  
212.1151, 224.9174

 21.9598, 21.0867,  
21.6769

254.9725,  
257.7389, 273.7524

 13.9438, 13.1874,  
13.4236

305.4353,  
309.4762, 329.1892

 8.1630, 7.5577,  
7.5868

362.1522,

 4.2521, 3.8133,

367.7114, 391.6463

3.7477

425.4886,  
432.8291, 461.5423

■ 1.8457, 1.5697,  
1.4880

■ 0.5450, 0.3370,  
0.2090

■ 83.6831, 83.0681,  
87.2245

■ 83.6831, 83.0681,  
87.2245

■ 74.0344, 68.7387,  
68.6922

94.8192, 99.6559,  
108.4612

■ 65.8046, 56.5604,  
52.7508

95.0500, 100.0000,  
108.9000

■ 58.9285, 46.4323,  
39.2863

■ 53.3335, 38.2416,  
28.1744

■ 48.9400, 31.8647,  
19.2797

■ 45.6596, 27.1636,  
12.4533

■ 43.3918, 23.9805,  
7.5278

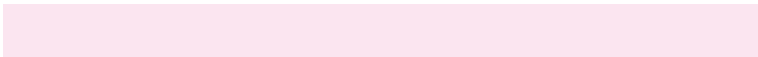
■ 42.0177, 22.1275,  
4.3097

■ 41.3625, 21.3090,  
2.5753

# Harmonies

## Analogous

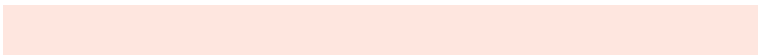
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6291, 83.0681, 94.3177



83.6831, 83.0681, 87.2245



82.4513, 83.0681, 81.3074

# Triad

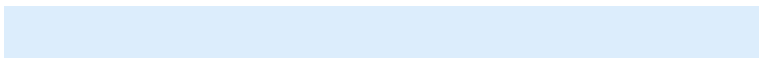
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6831, 83.0681, 87.2245



75.6944, 83.0681, 80.9295



77.6285, 83.0681, 104.2270

# Complementary

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



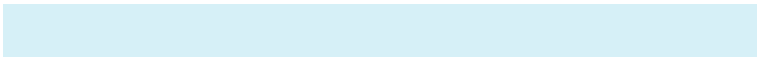
83.6831, 83.0681, 87.2245



85.8053, 95.2711, 106.7989

# 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.



75.5565, 83.0681, 100.2471



83.6831, 83.0681, 87.2245



74.4559, 83.0681, 86.6837

# Square

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



83.6831, 83.0681, 87.2245



77.8204, 83.0681, 77.8039



74.4060, 83.0681, 93.7480



80.0981, 83.0681, 104.3906

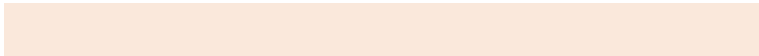


# Rectangle

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



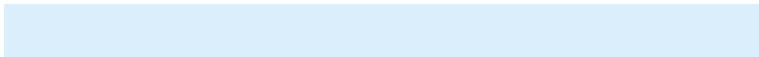
83.6831, 83.0681, 87.2245



81.0814, 83.0681, 78.7220



74.4060, 83.0681, 93.7480



76.8636, 83.0681, 103.2821

# Sweetspot

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



83.6850, 83.0715, 87.2263



91.5415, 94.7692, 102.2235



86.5185, 84.1134, 106.2832



19.3979, 19.9929, 21.5072



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

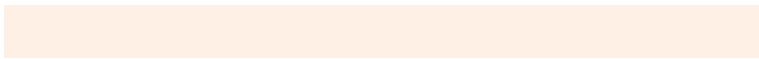
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6850, 83.0715, 87.2263



81.8338, 80.3188, 83.6817



86.4958, 89.1416, 86.7804



18.0660, 18.0097, 18.9645



21.6328, 11.1424, 1.4507



2.1249, 1.0924, 0.2394



# Inverse Universe

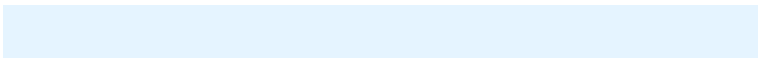
The Inverse Universe completely reimagines the original color for something new.



83.6850, 83.0715, 87.2263



81.8338, 80.3188, 83.6817



82.7666, 88.6822, 107.3629



18.0660, 18.0097, 18.9645



21.6328, 11.1424, 1.4507

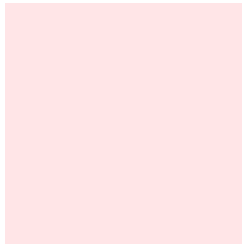


2.1249, 1.0924, 0.2394



# Previews

## White Background



This preview shows how the XYZ color 83.6831, 83.0681, 87.2245 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

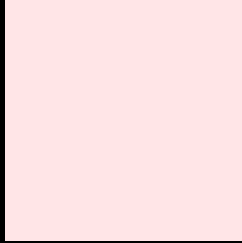
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.6831, 83.0681, 87.2245 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

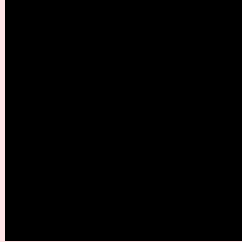
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

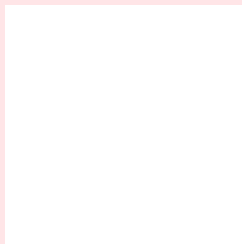
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.6831, 83.0681, 87.2245

## Background



This preview shows how black text looks on a background with the XYZ color 83.6831, 83.0681, 87.2245.



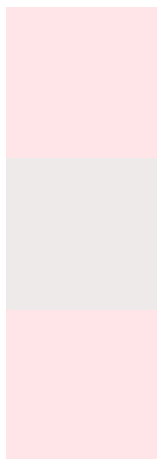
This preview shows how white text looks on a background with the XYZ color 83.6831, 83.0681,

87.2245.

# 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

83.6831, 83.0681, 87.2245

### Protanopia

79.8707, 83.1369, 89.6793

### Deuteranopia

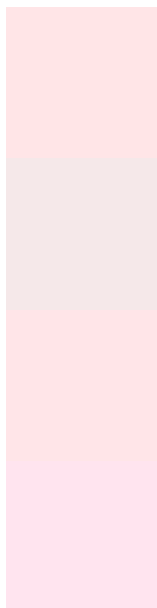
83.8248, 83.1248, 87.9706



## Tritanopia

85.3125, 83.2785, 97.1658

# Trichromacy



## Original Color

83.6831, 83.0681, 87.2245

## Protanomaly

81.2208, 83.0089, 88.8323

## Deuteranomaly

83.8248, 83.1248, 87.9706

## Tritanomaly

84.5634, 82.9788, 93.2209

# Monochromacy



## Original Color

83.6831, 83.0681, 87.2245

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

81.7264, 84.0769, 90.5183

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.6831, 83.0681, 87.2245 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(255, 229, 231) looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 231)  
}
```

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(255, 229, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 83.6831, 83.0681, 87.2245 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(255, 229, 231) }
```



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

```
.border{ border-color:rgb(255, 229, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.6831, 83.0681, 87.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 231) }
```

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

```
.background{ background-color: rgb(255,  
229, 231) }
```

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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