

# Converting Colors

XYZ(87.3171, 83.6637, 93.1613)

Have a look what the booklet for  
XYZ(87.3171, 83.6637, 93.1613)  
contains.

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# Color

**XYZ(84.0163, 81.8847,  
93.0385)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE2EF
RGB	255, 226, 239
RGB Percent	100%, 89%, 94%
CMY	0.0000, 0.1137, 0.0627
CMYK	0.00, 0.11, 0.06, 0.00
HSL	333°, 100%, 94%
HSV	333°, 11%, 100%
XYZ	84.0163, 81.8847, 93.0385
YIQ	236.1530, 13.1110, 10.1910

# Conversions

## Conversions Part 2

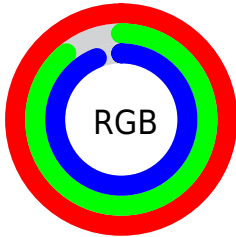
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 226, 239
Decimal	16769775
CIE Lab	92.52, 12.08, -2.68
CIE LCh	93, 12.374, 347.512
Yxy	81.8847, 0.3245, 0.3162
Android (android.graphics.Color)	4294959855 (0xFFFFE2EF)
YUV	236.1530, 1.4036, 16.5288
Hunter-Lab	90.4902, 7.3719, 2.3834

# Details

The XYZ color **84.0163, 81.8847, 93.0385** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **83.1536, 94.1008, 97.7886**, and the grayscale version is **79.8302, 83.9876, 91.4625**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3989, 44.5505, 50.9534** is the 20% darker color. If you saturate the color by 10%, you get **75.5928, 68.2358, 80.3714**, and if you desaturate by 10%, it is **93.6366, 97.6674, 106.9052**.

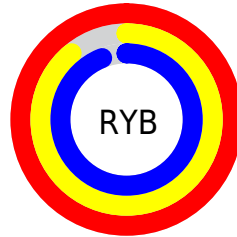
# Distribution



Red (100%)

Green (89%)

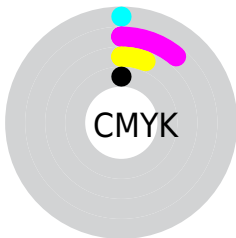
Blue (94%)



Red (100%)

Yellow (89%)

Blue (94%)

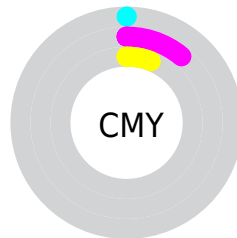


Cyan (0%)

Magenta (11%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.0163, 81.8847, 93.0385 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 84.0163, 81.8847, 93.0385 by changing the saturation by 10% instead.




 84.0163, 81.8847,  
93.0385

 84.0163, 81.8847,  
93.0385


496.9002,  
501.2619, 558.6893

 63.3486, 61.2705,  
69.9157


137.9191,  
136.0123, 153.5241

 46.3830, 44.4435,  
50.9814


171.8850,  
170.2945, 191.7239

 32.7541, 31.0193,  
35.8172


211.0143,  
209.9015, 235.7865

 22.0965, 20.6136,  
24.0045

255.6725,  
255.2176, 286.1303

 14.0448, 12.8418,  
15.1247

306.2248,  
306.6274, 343.1740

 8.2337, 7.3197,  
8.7594

363.0366,

 4.2979, 3.6628,

364.5151, 407.3360

4.4899

426.4733,  
429.2651, 479.0349

■ 1.8720, 1.4868,  
1.8978

■ 0.5605, 0.2794,  
0.4913

■ 84.0163, 81.8847,  
93.0385

■ 84.0163, 81.8847,  
93.0385

■ 75.5928, 68.2358,  
80.3714

■ 93.6366, 97.6674,  
106.9052

■ 68.3115, 56.6184,  
68.8643

95.0500, 100.0000,  
108.9000

■ 62.1216, 46.9369,  
58.4826

■ 56.9664, 39.0840,  
49.1881

■ 52.7836, 32.9417,  
40.9397

■ 49.5039, 28.3783,  
33.6932

■ 47.0480, 25.2422,  
27.4000

■ 45.3212, 23.3517,  
22.0054

■ 44.2940, 22.4816,  
18.0123

# Harmonies

## Analogous

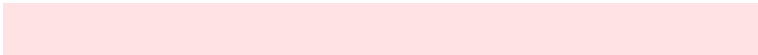
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4729, 81.8847, 101.6478



84.0163, 81.8847, 93.0385



83.8689, 81.8847, 83.9412

# Triad

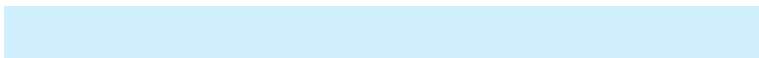
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0163, 81.8847, 93.0385



75.9852, 81.8847, 73.3311



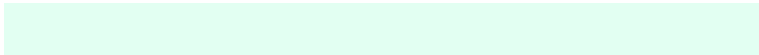
73.7313, 81.8847, 102.8489

# Complementary

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



84.0163, 81.8847, 93.0385



83.1536, 94.1008, 97.7886

# 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.



72.0861, 81.8847, 94.5877



84.0163, 81.8847, 93.0385



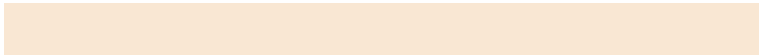
73.3626, 81.8847, 77.7366

# Square

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



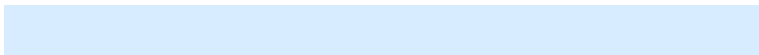
84.0163, 81.8847, 93.0385



79.1722, 81.8847, 72.9794



71.9531, 81.8847, 85.3879



76.5010, 81.8847, 107.5678

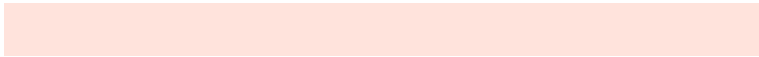


# Rectangle

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



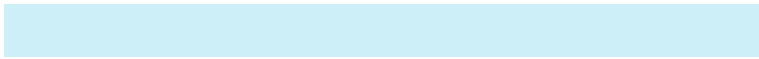
84.0163, 81.8847, 93.0385



82.8318, 81.8847, 78.8154



71.9531, 81.8847, 85.3879



73.0317, 81.8847, 100.3692

# Sweetspot

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



84.0182, 81.8881, 93.0402



91.9856, 94.9469, 104.5625



81.8497, 80.4849, 105.8289



19.5174, 20.0407, 22.1365



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.



84.0182, 81.8881, 93.0402



81.6888, 78.0953, 89.5940



82.5622, 81.9391, 83.4202



18.3478, 18.1224, 20.4485



23.2173, 11.7762, 9.7945



2.3147, 1.1682, 1.2384



# Inverse Universe

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



84.0182, 81.8881, 93.0402



81.6888, 78.0953, 89.5940



84.7152, 93.9882, 108.2843



18.3478, 18.1224, 20.4485



23.2173, 11.7762, 9.7945

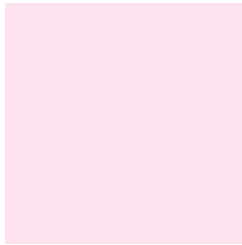


2.3147, 1.1682, 1.2384



# Previews

## White Background



This preview shows how the XYZ color 84.0163, 81.8847, 93.0385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

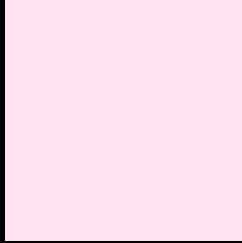
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.0163, 81.8847, 93.0385 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

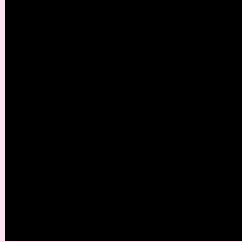
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 84.0163, 81.8847, 93.0385

## Background



This preview shows how black text looks on a background with the XYZ color 84.0163, 81.8847, 93.0385.



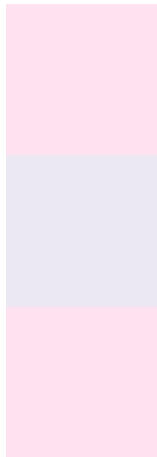
This preview shows how white text looks on a background with the XYZ color 84.0163, 81.8847,

93.0385.

# 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

84.0163, 81.8847, 93.0385

### Protanopia

79.2952, 81.8465, 96.4127

### Deuteranopia

83.6494, 81.6955, 93.0214



## Tritanopia

84.6140, 82.1238, 96.1859

# Trichromacy



## Original Color

84.0163, 81.8847, 93.0385

## Protanomaly

80.9418, 81.8817, 95.5431

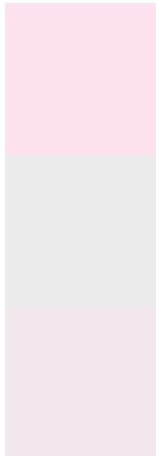
## Deuteranomaly

83.6494, 81.6955, 93.0214

## Tritanomaly

84.4634, 82.0635, 95.3925

# Monochromacy



## Original Color

84.0163, 81.8847, 93.0385

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

81.1048, 82.8823, 91.8440

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.0163, 81.8847, 93.0385 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, 226, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 239)  
}
```

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, 226, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 84.0163, 81.8847, 93.0385 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, 226, 239) }
```



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

```
.border{ border-color:rgb(255, 226, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.0163, 81.8847, 93.0385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 239) }
```

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

```
.background{ background-color: rgb(255,  
226, 239) }
```

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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