

# Converting Colors

XYZ(86.1014, 86.0576, 93.7255)

Have a look what the booklet for  
XYZ(86.1014, 86.0576, 93.7255)  
contains.

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# **Color**

**XYZ(86.2428, 86.3376,  
93.7807)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAEF
RGB	255, 234, 239
RGB Percent	100%, 92%, 94%
CMY	0.0000, 0.0823, 0.0627
CMYK	0.00, 0.08, 0.06, 0.00
HSL	346°, 100%, 96%
HSV	346°, 8%, 100%
XYZ	86.2428, 86.3376, 93.7807
YIQ	240.8490, 10.9110, 6.0070

# Conversions

## Conversions Part 2

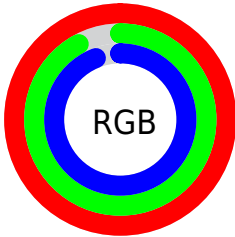
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 234, 239
Decimal	16771823
CIE <sub>Lab</sub>	94.46, 7.95, 0.15
CIE <sub>LCh</sub>	94, 7.955, 1.101
Yxy	86.3376, 0.3238, 0.3241
Android (android.graphics.Color)	4294961903 (0xFFFFEAEF)
YUV	240.8490, -0.9116, 12.4104
Hunter-Lab	92.9180, 3.0700, 5.2022

# Details

The XYZ color **86.2428, 86.3376, 93.7807** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.9496, 95.9158, 104.3769**, and the grayscale version is **83.4930, 87.8412, 95.6590**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.7563, 47.2655, 51.4059** is the 20% darker color. If you saturate the color by 10%, you get **76.7807, 71.7634, 77.2165**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

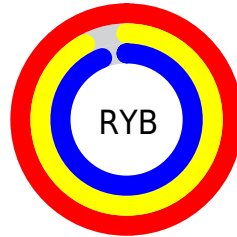
# Distribution



Red (100%)

Green (92%)

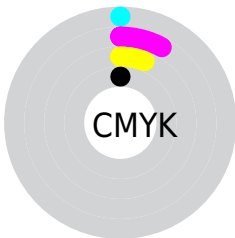
Blue (94%)



Red (100%)

Yellow (92%)

Blue (94%)

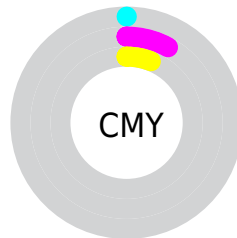


Cyan (0%)

Magenta (8%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.2428, 86.3376, 93.7807 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 86.2428, 86.3376, 93.7807 by changing the saturation by 10% instead.




 86.2428, 86.3376,  
93.7807

 86.2428, 86.3376,  
93.7807


504.1534,  
516.0437, 561.1384

 65.1947, 64.9472,  
70.5293


141.0133,  
142.2405, 154.5601

 47.8843, 47.4182,  
51.4787


175.4665,  
177.5218, 192.9251

 33.9461, 33.3664,  
36.2103


215.1187,  
218.2021, 237.1651

 23.0149, 22.4073,  
24.3057

260.3354,  
264.6659, 287.6986

 14.7253, 14.1565,  
15.3463

311.4819,  
317.2976, 344.9442

 8.7119, 8.2296,  
8.9134

368.9234,

 4.6093, 4.2422,

376.4815, 409.3203

4.5887

433.0255,  
442.6021, 481.2455

■ 2.0523, 1.8099,  
1.9536

■ 0.6631, 0.4934,  
0.5265

■ 86.2428, 86.3376,  
93.7807

■ 86.2428, 86.3376,  
93.7807

■ 76.7807, 71.7634,  
77.2165

95.0500, 100.0000,  
108.9000

■ 68.6161, 59.3060,  
62.5586

■ 61.6930, 48.8696,  
49.7389

■ 55.9492, 40.3470,  
38.6836

■ 51.3169, 33.6209,  
29.3135

■ 47.7211, 28.5610,  
21.5431

■ 45.0774, 25.0195,  
15.2793

■ 43.2869, 22.8218,  
10.4179

■ 42.2175, 21.7293,  
6.8364

# Harmonies

## Analogous

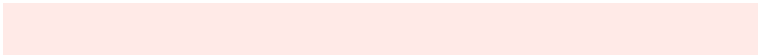
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7152, 86.3376, 99.8154



86.2428, 86.3376, 93.7807



85.6339, 86.3376, 88.0524

# Triad

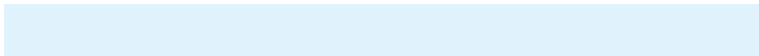
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.2428, 86.3376, 93.7807



79.9549, 86.3376, 84.2769



80.0896, 86.3376, 104.7017

# Complementary

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



86.2428, 86.3376, 93.7807



86.9496, 95.9158, 104.3769

# Split Complementary

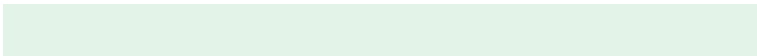
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.5895, 86.3376, 100.2242



86.2428, 86.3376, 93.7807



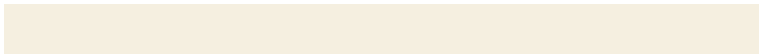
78.5127, 86.3376, 88.4284

# Square

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



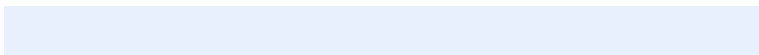
86.2428, 86.3376, 93.7807



81.9823, 86.3376, 82.7143



78.0172, 86.3376, 94.2336



82.1404, 86.3376, 106.2833

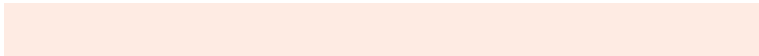


# Rectangle

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



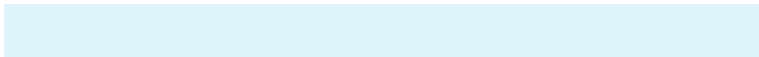
86.2428, 86.3376, 93.7807



84.6713, 86.3376, 85.1340



78.0172, 86.3376, 94.2336



79.5055, 86.3376, 103.4760

# Sweetspot

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



86.2447, 86.3411, 93.7825



92.8250, 96.5413, 105.1026



86.8099, 86.3471, 106.6990



19.8917, 20.7000, 22.5361



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

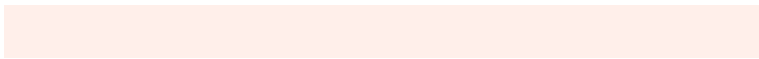
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2447, 86.3411, 93.7825



84.4755, 83.6068, 90.7135



87.0332, 89.0830, 90.4540



18.1865, 18.0579, 19.5993



22.0323, 11.3022, 3.5546



2.1856, 1.1166, 0.5586



# Inverse Universe

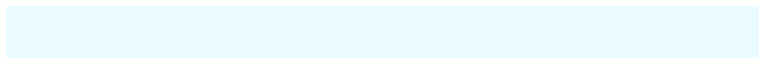
The Inverse Universe completely reimagines the original color for something new.



86.2447, 86.3411, 93.7825



84.4755, 83.6068, 90.7135



86.0921, 92.9303, 108.0075



18.1865, 18.0579, 19.5993



22.0323, 11.3022, 3.5546

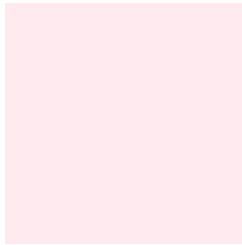


2.1856, 1.1166, 0.5586



# Previews

## White Background



This preview shows how the XYZ color 86.2428, 86.3376, 93.7807 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

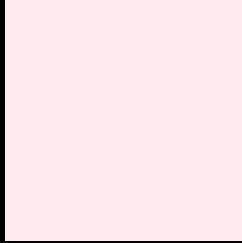
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.2428, 86.3376, 93.7807 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

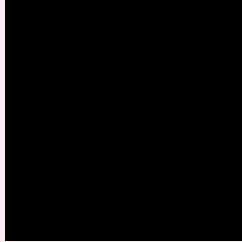
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

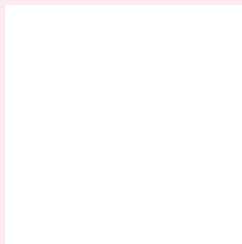
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 86.2428, 86.3376, 93.7807**

## **Background**



This preview shows how black text looks on a background with the XYZ color 86.2428, 86.3376, 93.7807.



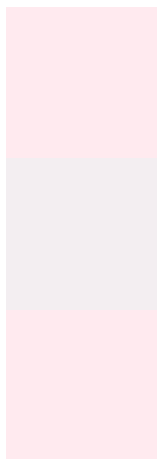
This preview shows how white text looks on a background with the XYZ color 86.2428, 86.3376,

93.7807.

# 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

86.2428, 86.3376, 93.7807

### Protanopia

83.4139, 86.5546, 95.5294

### Deuteranopia

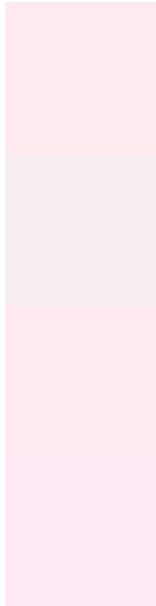
86.2428, 86.3376, 93.7807



## Tritanopia

87.4778, 86.3774, 101.6845

# Trichromacy



## Original Color

86.2428, 86.3376, 93.7807

## Protanomaly

84.3701, 86.6338, 94.7133

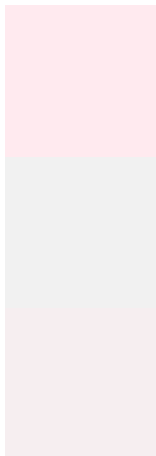
## Deuteranomaly

86.2428, 86.3376, 93.7807

## Tritanomaly

86.8603, 86.1304, 98.4330

# Monochromacy



## Original Color

86.2428, 86.3376, 93.7807

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

84.3087, 87.0332, 94.7936

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.2428, 86.3376, 93.7807 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, 234, 239) looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 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, 234, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 86.2428, 86.3376, 93.7807 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, 234, 239) }
```



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

```
.border{ border-color:rgb(255, 234, 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, 234, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.2428, 86.3376, 93.7807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 239) }
```

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

```
.background{ background-color: rgb(255,  
234, 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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