

# Converting Colors

XYZ(87.0820, 85.2018, 92.9355)

Have a look what the booklet for  
XYZ(87.0820, 85.2018, 92.9355)  
contains.

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# Color

**XYZ(84.9694, 84.0267,  
92.6293)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE6EE
RGB	255, 230, 238
RGB Percent	100%, 90%, 93%
CMY	0.0000, 0.0980, 0.0667
CMYK	0.00, 0.10, 0.07, 0.00
HSL	341°, 100%, 95%
HSV	341°, 10%, 100%
XYZ	84.9694, 84.0267, 92.6293
YIQ	238.3870, 12.3320, 7.7880

# Conversions

## Conversions Part 2

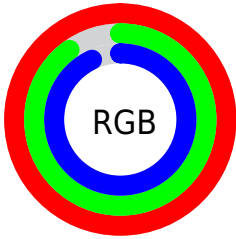
Format	Color
R <sub>Y</sub> B	255, 230, 238
Decimal	16770798
CIE Lab	93.46, 9.85, -0.78
CIE LCh	93, 9.876, 355.472
Yxy	84.0267, 0.3248, 0.3212
Android (android.graphics.Color)	4294960878 (0xFFFFE6EE)
YUV	238.3870, -0.1908, 14.5696
Hunter-Lab	91.6661, 5.0440, 4.2532

# Details

The XYZ color **84.9694, 84.0267, 92.6293** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.1843, 95.0597, 101.8580**, and the grayscale version is **81.5644, 85.8121, 93.4493**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8683, 45.6553, 50.5981** is the 20% darker color. If you saturate the color by 10%, you get **75.9591, 69.8890, 77.6550**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

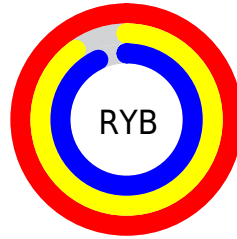
# Distribution



Red (100%)

Green (90%)

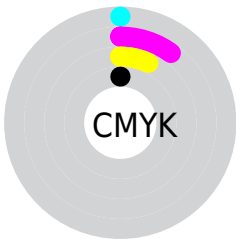
Blue (93%)



Red (100%)

Yellow (90%)

Blue (93%)

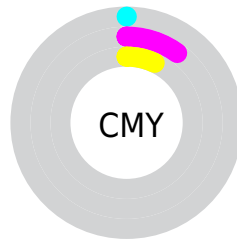


Cyan (0%)

Magenta (10%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9694, 84.0267, 92.6293 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 84.9694, 84.0267, 92.6293 by changing the saturation by 10% instead.




 84.9694, 84.0267,  
92.6293

 84.9694, 84.0267,  
92.6293


500.0120,  
508.4019, 557.3365

 64.1385, 63.0375,  
69.5775

139.2447,  
139.0125, 152.9525

 47.0250, 45.8715,  
50.7075


173.4198,  
173.7779, 191.0611

 33.2634, 32.1445,  
35.6008


212.7736,  
213.9042, 235.0255

 22.4885, 21.4719,  
23.8388

257.6716,  
259.7756, 285.2645

 14.3349, 13.4694,  
15.0030

308.4791,  
311.7768, 342.1966

 8.4372, 7.7525,  
8.6748

365.5614,

 4.4301, 3.9370,

370.2919, 406.2403

4.4358

429.2839,  
435.7055, 477.8141

■ 1.9482, 1.6384,  
1.8673

■ 0.6046, 0.3833,  
0.4718

■ 84.9694, 84.0267,  
92.6293

■ 84.9694, 84.0267,  
92.6293

■ 75.9591, 69.8890,  
77.6550

95.0500, 100.0000,  
108.9000

■ 68.1786, 57.8295,  
64.2665

■ 61.5744, 47.7525,  
52.4115

■ 56.0868, 39.5507,  
42.0326

■ 51.6506, 33.1063,  
33.0689

■ 48.1936, 28.2883,  
25.4545

■ 45.6336, 24.9472,  
19.1176

■ 43.8741, 22.9049,  
13.9784

■ 42.7653, 21.8789,  
9.9353

# Harmonies

## Analogous

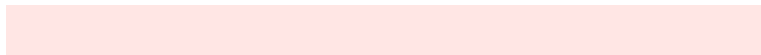
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0683, 84.0267, 99.8757



84.9694, 84.0267, 92.6293



84.4786, 84.0267, 85.4516

# Triad

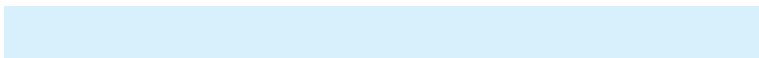
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9694, 84.0267, 92.6293



77.7273, 84.0267, 79.1269



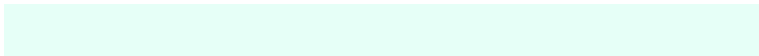
77.0558, 84.0267, 103.8413

# Complementary

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



84.9694, 84.0267, 92.6293



85.1843, 95.0597, 101.8580

# 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.



75.4222, 84.0267, 97.8080



84.9694, 84.0267, 92.6293



75.8040, 84.0267, 83.5889

# Square

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



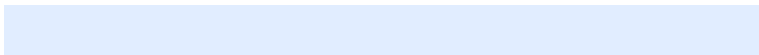
84.9694, 84.0267, 92.6293



80.2614, 84.0267, 77.9065



74.9690, 84.0267, 90.3617



79.4696, 84.0267, 106.5689

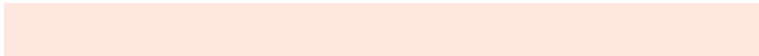


# Rectangle

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



84.9694, 84.0267, 92.6293



83.4336, 84.0267, 81.6285



74.9690, 84.0267, 90.3617



76.3993, 84.0267, 102.1171

# Sweetspot

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



84.9714, 84.0302, 92.6311



91.8314, 94.8852, 103.7505



84.5895, 83.5310, 106.2725



19.4759, 20.0241, 21.9178



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

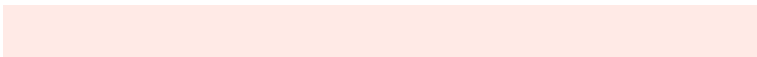
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9714, 84.0302, 92.6311



82.8817, 80.7379, 89.1998



84.9955, 85.9170, 86.9713



18.2488, 18.0828, 19.9274



22.3960, 11.4477, 5.4696



2.2279, 1.1335, 0.7817



# Inverse Universe

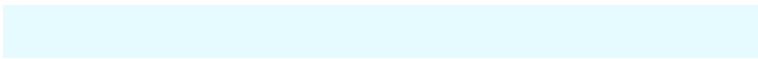
The Inverse Universe completely reimagines the original color for something new.



84.9714, 84.0302, 92.6311



82.8817, 80.7379, 89.1998



85.1305, 92.9349, 108.0591



18.2488, 18.0828, 19.9274



22.3960, 11.4477, 5.4696

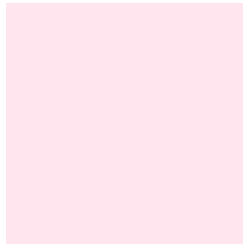


2.2279, 1.1335, 0.7817



# Previews

## White Background



This preview shows how the XYZ color 84.9694, 84.0267, 92.6293 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

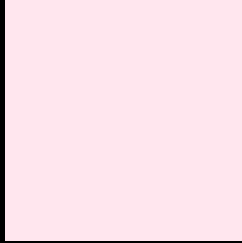
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.9694, 84.0267, 92.6293 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

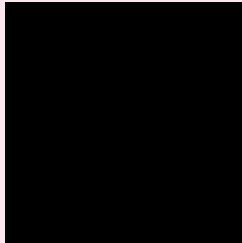
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.9694, 84.0267, 92.6293**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.9694, 84.0267, 92.6293.



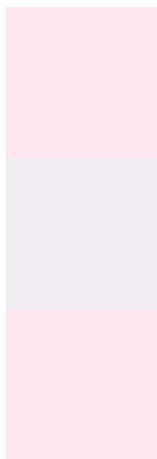
This preview shows how white text looks on a background with the XYZ color 84.9694, 84.0267,

92.6293.

# 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

84.9694, 84.0267, 92.6293

### Protanopia

81.1821, 84.1183, 95.1768

### Deuteranopia

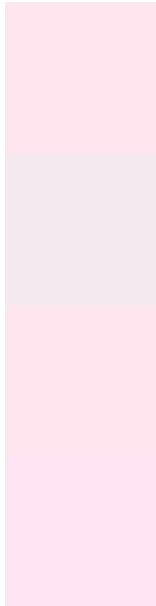
84.9694, 84.0267, 92.6293



## Tritanopia

85.8939, 83.9524, 98.8661

# Trichromacy



## Original Color

84.9694, 84.0267, 92.6293

## Protanomaly

82.5233, 83.9816, 94.2987

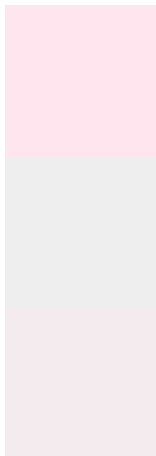
## Deuteranomaly

84.9694, 84.0267, 92.6293

## Tritanomaly

85.4370, 83.7697, 96.4602

# Monochromacy



## Original Color

84.9694, 84.0267, 92.6293

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

82.4492, 84.8228, 92.9158

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.9694, 84.0267, 92.6293 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, 230, 238) looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 238)  
}
```

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, 230, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 84.9694, 84.0267, 92.6293 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, 230, 238) }
```



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

```
.border{ border-color:rgb(255, 230, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.9694, 84.0267, 92.6293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 238) }
```

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

```
.background{ background-color: rgb(255,  
230, 238) }
```

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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