

# Converting Colors

XYZ(84.0619, 86.7101,  
106.5881)

Have a look what the booklet for  
XYZ(84.0619, 86.7101, 106.5881)  
contains.

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# **Color**

**XYZ(84.2211, 86.7198,  
106.9074)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFEEFF
RGB	239, 238, 255
RGB Percent	94%, 93%, 100%
CMY	0.0627, 0.0666, 0.0000
CMYK	0.06, 0.07, 0.00, 0.00
HSL	244°, 100%, 97%
HSV	244°, 7%, 100%
XYZ	84.2211, 86.7198, 106.9074
YIQ	240.2370, -4.8610, 5.4990

# Conversions

## Conversions Part 2

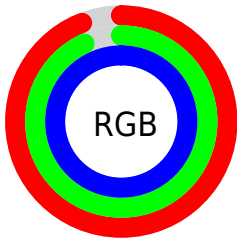
Format	Color
RYB	239, 238, 255
Decimal	15724287
CIELab	94.62, 3.44, -8.06
CIELCh	95, 8.763, 293.108
Yxy	86.7198, 0.3031, 0.3121
Android (android.graphics.Color)	4293914367 (0xFFEFEEFF)
YUV	240.2370, 7.2782, -1.0848
Hunter-Lab	93.1235, -1.5302, -2.8796

# Details

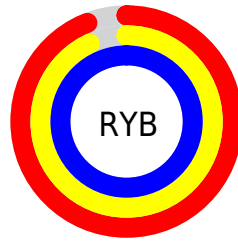
The XYZ color **84.2211, 86.7198, 106.9074** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.0679, 98.7649, 95.1043**, and the grayscale version is **82.9596, 87.2799, 95.0478**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4494, 47.6004, 60.1657** is the 20% darker color. If you saturate the color by 10%, you get **69.7434, 69.0067, 104.2515**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

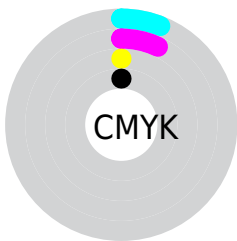
# Distribution



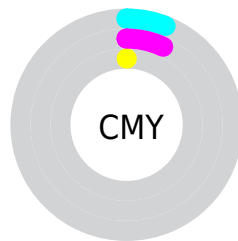
- Red (94%)
- Green (93%)
- Blue (100%)



- Red (94%)
- Yellow (93%)
- Blue (100%)



- Cyan (6%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.2211, 86.7198, 106.9074 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 84.2211, 86.7198, 106.9074 by changing the saturation by 10% instead.



84.2211, 86.7198,  
106.9074

84.2211, 86.7198,  
106.9074

497.5697,  
517.3017, 603.5535

63.5183, 65.2634,  
81.4327

138.2041,  
142.7735, 172.7520

46.5209, 47.6747,  
60.3649

172.2150,  
178.1396, 213.9589

32.8634, 33.5693,  
43.2856

211.3927,  
218.9110, 261.2470

22.1806, 22.5629,  
29.7762

256.1024,  
265.4721, 315.0347

14.1070, 14.2711,  
19.4182

306.7097,  
318.2073, 375.7407

8.2773, 8.3095,  
11.7930

363.5797,

4.3262, 4.2936,

377.5011, 443.7835

6.4820

427.0780,  
443.7377, 519.5815

■ 1.8883, 1.8391,  
3.0669

■ 0.5700, 0.5114,  
1.1289

■ 84.2211, 86.7198,  
106.9074

■ 84.2211, 86.7198,  
106.9074

■ 69.7434, 69.0067,  
104.2515

95.0500, 100.0000,  
108.9000

■ 57.3052, 53.8383,  
101.9793

■ 46.8168, 41.1008,  
100.0735

■ 38.1793, 30.6678,  
98.5150

■ 31.2850, 22.4015,  
97.2828

■ 26.0152, 16.1492,  
96.3537

■ 22.2361, 11.7384,  
95.7015

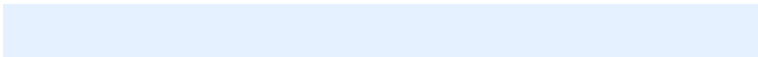
■ 19.7926, 8.9678,  
95.2955

■ 18.4946, 7.5863,  
95.0973

# Harmonies

## Analogous

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



81.8804, 86.7198, 107.9430



84.2211, 86.7198, 106.9074



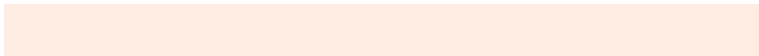
86.1129, 86.7198, 102.4539

# Triad

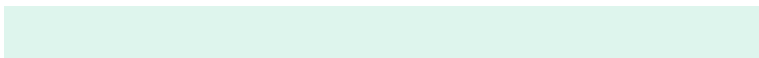
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2211, 86.7198, 106.9074



85.1830, 86.7198, 84.3915



77.9946, 86.7198, 92.8699

# Complementary

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



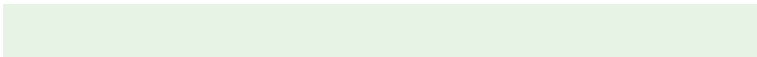
84.2211, 86.7198, 106.9074



92.0679, 98.7649, 95.1043

# Split Complementary

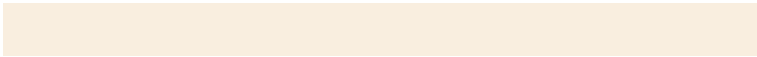
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8431, 86.7198, 86.8234



84.2211, 86.7198, 106.9074



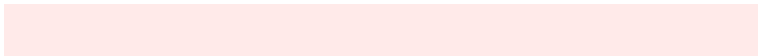
82.9711, 86.7198, 82.0821

# Square

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



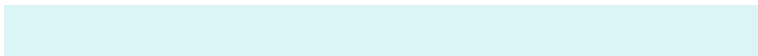
84.2211, 86.7198, 106.9074



86.6756, 86.7198, 89.4065



80.6538, 86.7198, 82.9507



78.3148, 86.7198, 99.6240



# Rectangle

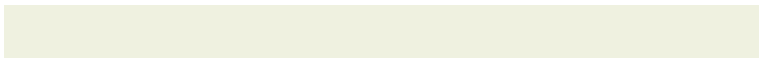
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



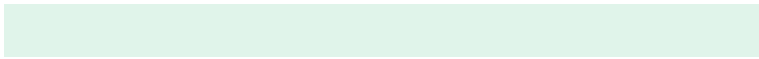
84.2211, 86.7198, 106.9074



86.8501, 86.7198, 98.2557



80.6538, 86.7198, 82.9507



78.1520, 86.7198, 90.6915

# Sweetspot

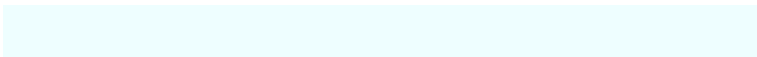
The Sweet Spot groups the original color and five complimentary colors.



84.2234, 86.7234, 106.9080



91.7002, 95.8898, 108.2832



88.8013, 96.3772, 108.5301



19.6627, 20.5674, 23.1835



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.



84.2234, 86.7234, 106.9080



82.1682, 84.2058, 106.5304



87.1084, 88.2107, 107.0430



17.1015, 17.4286, 22.7126



9.5723, 3.8452, 49.6723



0.9651, 0.3914, 4.8380



# Inverse Universe

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



89.7062, 89.5683, 106.3295



88.6920, 87.5911, 105.8338



89.0779, 97.2235, 94.9644



18.7440, 18.2809, 22.5349



29.7910, 14.4057, 44.4114



2.9141, 1.4080, 4.3950



# Previews

## White Background



This preview shows how the XYZ color 84.2211, 86.7198, 106.9074 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 84.2211, 86.7198, 106.9074 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

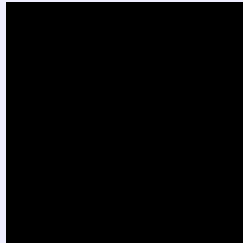
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 84.2211, 86.7198, 106.9074

## Background



This preview shows how black text looks on a background with the XYZ color 84.2211, 86.7198, 106.9074.



This preview shows how white text looks on a background with the XYZ color 84.2211, 86.7198,

106.9074.

# 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

84.2211, 86.7198, 106.9074

### Protanopia

84.2211, 86.7198, 106.9074

### Deuteranopia

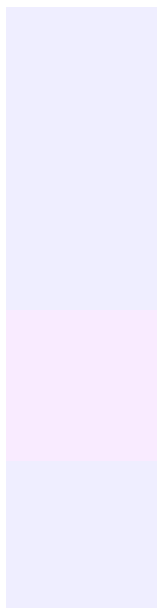
88.0620, 86.5687, 106.6758



## Tritanopia

84.2211, 86.7198, 106.9074

# Trichromacy



## Original Color

84.2211, 86.7198, 106.9074

## Protanomaly

84.2211, 86.7198, 106.9074

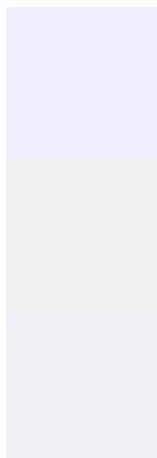
## Deuteranomaly

86.8253, 86.7764, 106.7811

## Tritanomaly

84.2211, 86.7198, 106.9074

# Monochromacy



## Original Color

84.2211, 86.7198, 106.9074

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

83.2831, 86.8508, 98.7606

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.2211, 86.7198, 106.9074 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(239, 238, 255) looks like.

```
.text, #text, p{  
    color:rgb(239, 238, 255)  
}
```

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(239, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 238, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 84.2211, 86.7198, 106.9074 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(239, 238, 255) }
```



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

```
.border{ border-color:rgb(239, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 238,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.2211, 86.7198, 106.9074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 238, 255) }
```

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

```
.background{ background-color: rgb(239,  
238, 255) }
```

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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