

# Converting Colors

XYZ(88.0469, 87.2364,  
106.8055)

Have a look what the booklet for  
XYZ(88.0469, 87.2364, 106.8055)  
contains.

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# Color

**XYZ(88.2663, 87.5193,  
106.8485)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDEBFF
RGB	253, 235, 255
RGB Percent	99%, 92%, 100%
CMY	0.0078, 0.0784, 0.0000
CMYK	0.01, 0.08, 0.00, 0.00
HSL	294°, 100%, 96%
HSV	294°, 8%, 100%
XYZ	88.2663, 87.5193, 106.8485
YIQ	242.6620, 4.3080, 10.0360

# Conversions

## Conversions Part 2

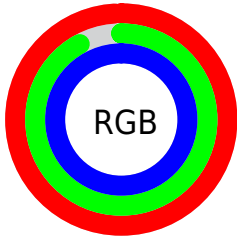
Format	Color
R <sub>YB</sub>	253, 235, 255
Decimal	16641023
CIE <sub>Lab</sub>	94.96, 9.55, -7.44
CIE <sub>LCh</sub>	95, 12.104, 322.075
Yxy	87.5193, 0.3123, 0.3097
Android (android.graphics.Color)	4294831103 (0xFFFDEBFF)
YUV	242.6620, 6.0826, 9.0664
Hunter-Lab	93.5518, 4.6996, -2.2308

# Details

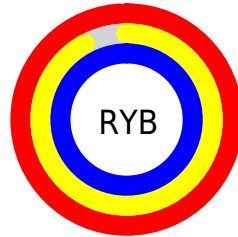
The XYZ color **88.2663, 87.5193, 106.8485** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.6827, 95.5238, 92.5237**, and the grayscale version is **84.8757, 89.2958, 97.2432**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.0781, 48.0532, 60.1146** is the 20% darker color. If you saturate the color by 10%, you get **80.5616, 73.4773, 104.5442**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

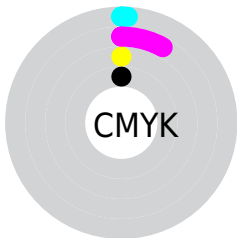
# Distribution



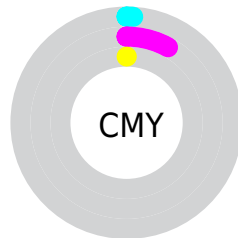
- Red (99%)
- Green (92%)
- Blue (100%)



- Red (99%)
- Yellow (92%)
- Blue (100%)



- Cyan (1%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (1%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.2663, 87.5193, 106.8485 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 88.2663, 87.5193, 106.8485 by changing the saturation by 10% instead.




 88.2663, 87.5193,  
106.8485

 88.2663, 87.5193,  
106.8485


510.6973,  
519.9278, 603.3667

 66.8752, 65.9250,  
81.3835


143.8185,  
143.8877, 172.6709

 49.2535, 48.2116,  
60.3247


178.7102,  
179.4307, 213.8654

 35.0360, 33.9944,  
43.2534


218.8329,  
220.3920, 261.1401

 23.8572, 22.8893,  
29.7511

264.5518,  
267.1561, 314.9137

 15.3519, 14.5118,  
19.3993

316.2323,  
320.1073, 375.6046

 9.1547, 8.4775,  
11.7794

374.2399,

 4.9001, 4.4020,

379.6301, 443.6313

6.4730

438.9397,  
446.1087, 519.4125

■ 2.2229, 1.9009,  
3.0613

■ 0.7548, 0.5489,  
1.1260

■ 88.2663, 87.5193,  
106.8485

■ 88.2663, 87.5193,  
106.8485

■ 80.5616, 73.4773,  
104.5442

95.0500, 100.0000,  
108.9000

■ 73.8691, 61.4424,  
102.5740

■ 68.1436, 51.3231,  
100.9225

■ 63.3338, 43.0170,  
99.5728

■ 59.3834, 36.4116,  
98.5060

■ 56.2300, 31.3823,  
97.7015

■ 53.8027, 27.7871,  
97.1355

■ 52.0177, 25.4586,  
96.7801

■ 50.7631, 24.1729,  
96.5981

# Harmonies

## Analogous

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



85.5806, 87.5193, 113.0568



88.2663, 87.5193, 106.8485



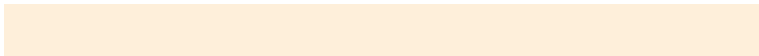
89.5977, 87.5193, 97.8094

# Triad

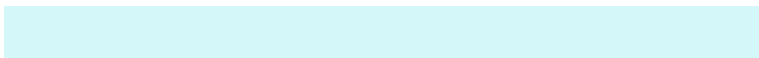
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.2663, 87.5193, 106.8485



84.0583, 87.5193, 78.4785



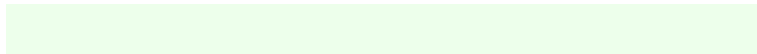
77.4681, 87.5193, 102.2539

# Complementary

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



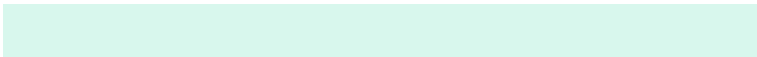
88.2663, 87.5193, 106.8485



85.6827, 95.5238, 92.5237

# 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.



77.0848, 87.5193, 92.8214



88.2663, 87.5193, 106.8485



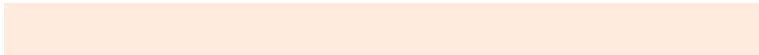
80.8335, 87.5193, 79.4959

# Square

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



88.2663, 87.5193, 106.8485



87.1269, 87.5193, 81.7265



78.3015, 87.5193, 84.6034



79.3628, 87.5193, 110.2848



# Rectangle

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



88.2663, 87.5193, 106.8485



89.5143, 87.5193, 91.5600



78.3015, 87.5193, 84.6034



77.1603, 87.5193, 99.1275

# Sweetspot

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



88.2686, 87.5230, 106.8491



93.2572, 96.6925, 108.3561



82.5986, 85.4546, 106.7487



19.9797, 20.7308, 23.1984



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.



88.2686, 87.5230, 106.8491



87.3218, 85.7889, 106.5643



87.7389, 87.3956, 100.2423



18.6032, 18.2027, 22.7829



26.4743, 12.5585, 50.4633

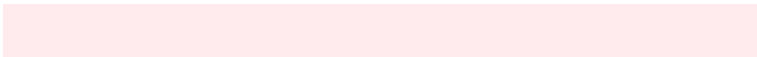


2.6273, 1.2483, 4.9158

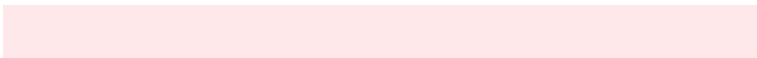


# Inverse Universe

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



86.2367, 86.7947, 92.3320



85.0114, 84.9617, 90.0198



86.2011, 95.6544, 98.7167



18.0831, 18.0166, 19.0549



21.6673, 11.1562, 1.6327

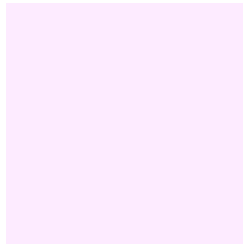


2.1330, 1.0956, 0.2820



# Previews

## White Background



This preview shows how the XYZ color 88.2663, 87.5193, 106.8485 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

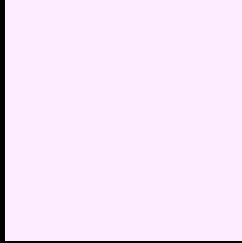
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.2663, 87.5193, 106.8485 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

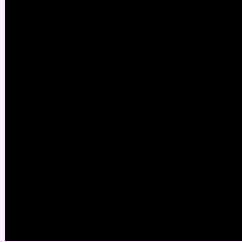
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

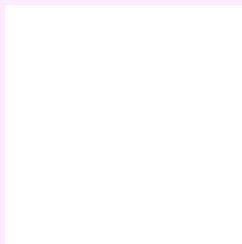
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.2663, 87.5193, 106.8485

## Background



This preview shows how black text looks on a background with the XYZ color 88.2663, 87.5193, 106.8485.



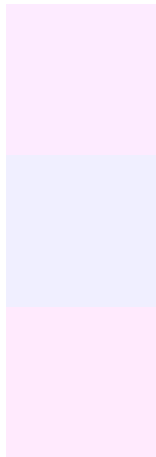
This preview shows how white text looks on a background with the XYZ color 88.2663, 87.5193,

106.8485.

# 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

88.2663, 87.5193, 106.8485

### Protanopia

84.8517, 87.4783, 107.0206

### Deuteranopia

88.3924, 87.1975, 105.1005



## **Tritanopia**

88.1057, 87.4551, 106.0028

# Trichromacy



## Original Color

88.2663, 87.5193, 106.8485

## Protanomaly

86.2807, 87.7815, 107.0038

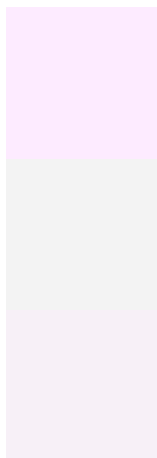
## Deuteranomaly

88.1853, 87.0722, 105.9247

## Tritanomaly

88.1057, 87.4551, 106.0028

# Monochromacy



## Original Color

88.2663, 87.5193, 106.8485

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

86.3064, 88.8097, 100.5888

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.2663, 87.5193, 106.8485 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(253, 235, 255) looks like.

```
.text, #text, p{  
    color:rgb(253, 235, 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(253, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 235, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 88.2663, 87.5193, 106.8485 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(253, 235, 255) }
```



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

```
.border{ border-color:rgb(253, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 235,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.2663, 87.5193, 106.8485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 235, 255) }
```

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

```
.background{ background-color: rgb(253,  
235, 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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