

# Converting Colors

XYZ(118.8824, 100.0000,  
274.8885)

Have a look what the booklet for  
XYZ(118.8824, 100.0000, 274.8885)  
contains.

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# Color

**XYZ(87.1124, 87.3506,  
106.8768)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9ECFF
RGB	249, 236, 255
RGB Percent	98%, 93%, 100%
CMY	0.0235, 0.0745, 0.0000
CMYK	0.02, 0.07, 0.00, 0.00
HSL	281°, 100%, 96%
HSV	281°, 7%, 100%
XYZ	87.1124, 87.3506, 106.8768
YIQ	242.0530, 1.6490, 8.6650

# Conversions

## Conversions Part 2

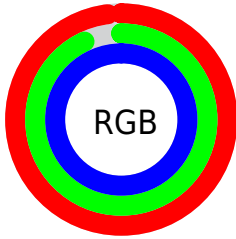
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	249, 236, 255
Decimal	16379135
CIE Lab	94.89, 7.72, -7.58
CIE LCh	95, 10.819, 315.524
Yxy	87.3506, 0.3096, 0.3105
Android (android.graphics.Color)	4294569215 (0xFFFF9ECFF)
YUV	242.0530, 6.3829, 6.0925
Hunter-Lab	93.4615, 2.8162, -2.3773

# Details

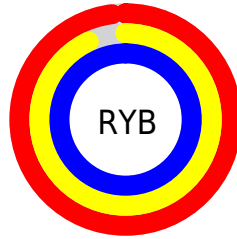
The XYZ color **87.1124, 87.3506, 106.8768** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.5204, 96.4544, 93.3659**, and the grayscale version is **84.3923, 88.7872, 96.6893**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5066, 48.0572, 60.1455** is the 20% darker color. If you saturate the color by 10%, you get **77.4800, 72.2552, 104.4707**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

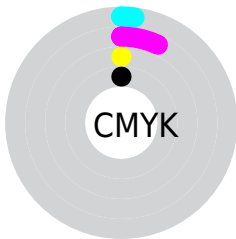
# Distribution



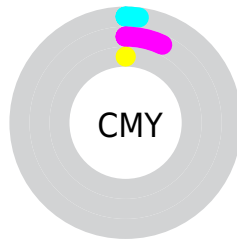
- Red (98%)
- Green (93%)
- Blue (100%)



- Red (98%)
- Yellow (93%)
- Blue (100%)



- Cyan (2%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (7%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1124, 87.3506, 106.8768 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 87.1124, 87.3506, 106.8768 by changing the saturation by 10% instead.



 87.1124, 87.3506,  
106.8768

 87.1124, 87.3506,  
106.8768


506.9711,  
519.3742, 603.4564

 65.9166, 65.7854,  
81.4071


142.2197,  
143.6527, 172.7098

 48.4721, 48.0982,  
60.3440


176.8618,  
179.1584, 213.9103

 34.4137, 33.9047,  
43.2689


216.7167,  
220.0797, 261.1915

 23.3760, 22.8204,  
29.7632

262.1499,  
266.8010, 314.9718

 14.9936, 14.4609,  
19.4084

313.5265,  
319.7067, 375.6700

 8.9012, 8.4419,  
11.7859

371.2120,

 4.7334, 4.3790,

379.1812, 443.7044

6.4773

435.5718,  
445.6089, 519.4937

■ 2.1248, 1.8878,  
3.0640

■ 0.7027, 0.5410,  
1.1274

■ 87.1124, 87.3506,  
106.8768

■ 87.1124, 87.3506,  
106.8768

■ 77.4800, 72.2552,  
104.4707

95.0500, 100.0000,  
108.9000

■ 68.9708, 59.2266,  
102.4045

■ 61.5382, 48.1731,  
100.6627

■ 55.1294, 38.9917,  
99.2282

■ 49.6870, 31.5695,  
98.0825

■ 45.1471, 25.7816,  
97.2046

■ 41.4376, 21.4860,  
96.5710

■ 38.4737, 18.5158,  
96.1539

■ 36.1452, 16.6533,  
95.9171

# Harmonies

## Analogous

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



84.5423, 87.3506, 111.5312



87.1124, 87.3506, 106.8768



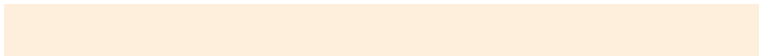
88.6036, 87.3506, 99.2034

# Triad

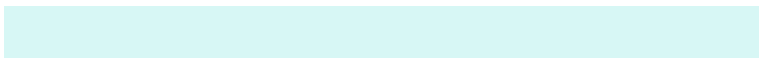
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1124, 87.3506, 106.8768



84.4414, 87.3506, 80.3169



77.7095, 87.3506, 99.4974

# Complementary

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



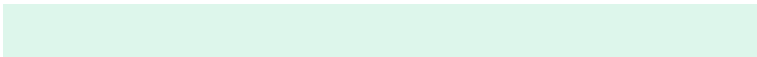
87.1124, 87.3506, 106.8768



87.5204, 96.4544, 93.3659

# 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.



77.6839, 87.3506, 91.1306



87.1124, 87.3506, 106.8768



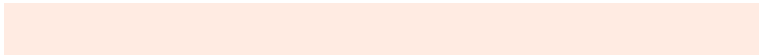
81.5243, 87.3506, 80.3853

# Square

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



87.1124, 87.3506, 106.8768



87.0371, 87.3506, 84.0475



79.0658, 87.3506, 84.2401



79.1365, 87.3506, 107.1029



# Rectangle

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



87.1124, 87.3506, 106.8768



88.7633, 87.3506, 93.5640



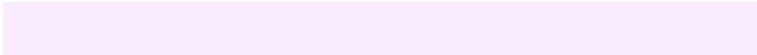
79.0658, 87.3506, 84.2401



77.5379, 87.3506, 96.6729

# Sweetspot

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



87.1147, 87.3542, 106.8774



92.8545, 96.4849, 108.3372



84.4022, 88.5703, 107.2550



19.8977, 20.6886, 23.1945



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.



87.1147, 87.3542, 106.8774



85.5445, 84.8727, 106.4811



88.7314, 88.2519, 104.0529



18.2020, 17.9959, 22.7642



18.7694, 8.5865, 50.1027



1.9407, 0.8944, 4.8836



# Inverse Universe

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



87.2646, 87.6652, 96.3290



85.7346, 85.2510, 93.8281



86.0061, 95.6147, 95.9623



18.2457, 18.0816, 19.9108



22.3748, 11.4392, 5.3584

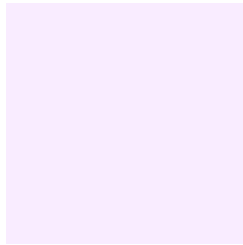


2.2256, 1.1326, 0.7693



# Previews

## White Background



This preview shows how the XYZ color 87.1124, 87.3506, 106.8768 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 87.1124, 87.3506, 106.8768 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

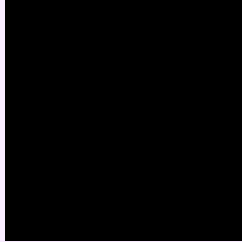
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 87.1124, 87.3506, 106.8768

## Background



This preview shows how black text looks on a background with the XYZ color 87.1124, 87.3506, 106.8768.



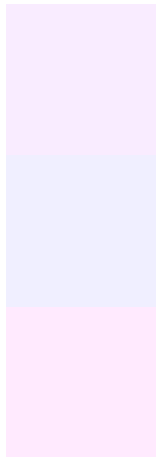
This preview shows how white text looks on a background with the XYZ color 87.1124, 87.3506,

106.8768.

# 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

87.1124, 87.3506, 106.8768

### Protanopia

84.8517, 87.4783, 107.0206

### Deuteranopia

88.5522, 87.2614, 105.9419



## Tritanopia

87.1124, 87.3506, 106.8768

# Trichromacy



## Original Color

87.1124, 87.3506, 106.8768

## Protanomaly

85.5867, 87.4238, 106.9713

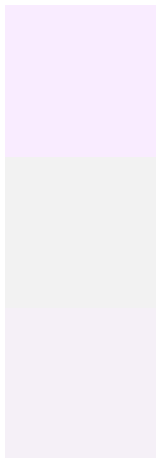
## Deuteranomaly

88.1057, 87.4551, 106.0028

## Tritanomaly

87.1124, 87.3506, 106.8768

# Monochromacy



## Original Color

87.1124, 87.3506, 106.8768

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

85.6048, 88.4481, 100.5560

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.1124, 87.3506, 106.8768 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(249, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 236, 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(249, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 236, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 87.1124, 87.3506, 106.8768 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(249, 236, 255) }
```



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

```
.border{ border-color:rgb(249, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 236,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.1124, 87.3506, 106.8768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 236, 255) }
```

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

```
.background{ background-color: rgb(249,  
236, 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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