

# Converting Colors

XYZ(87.4565, 85.8584,  
106.5706)

Have a look what the booklet for  
XYZ(87.4565, 85.8584, 106.5706)  
contains.

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# Color

**XYZ(87.4146, 85.8159,  
106.5646)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FDE8FF                     |
| RGB         | 253, 232, 255              |
| RGB Percent | 99%, 91%, 100%             |
| CMY         | 0.0078, 0.0902, 0.0000     |
| CMYK        | 0.01, 0.09, 0.00, 0.00     |
| HSL         | 295°, 100%, 95%            |
| HSV         | 295°, 9%, 100%             |
| XYZ         | 87.4146, 85.8159, 106.5646 |
| YIQ         | 240.9010, 5.1330, 11.6050  |

# Conversions

## Conversions Part 2

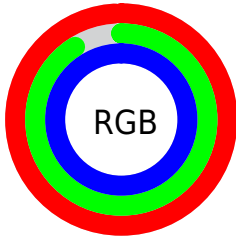
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>R<sub>YB</sub></b>               | 253, 232, 255                |
| Decimal                             | 16640255                     |
| CIE <sub>Lab</sub>                  | 94.23, 11.10, -8.51          |
| CIE <sub>LCh</sub>                  | 94, 13.986, 322.507          |
| Yxy                                 | 85.8159, 0.3124,<br>0.3067   |
| Android<br>(android.graphics.Color) | 4294830335<br>(0xFFFDE8FF)   |
| YUV                                 | 240.9010, 6.9508,<br>10.6108 |
| Hunter-Lab                          | 92.6369, 6.3228,<br>-3.3583  |

# Details

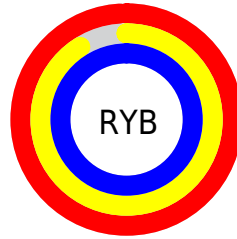
The XYZ color **87.4146, 85.8159, 106.5646** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.2594, 94.8397, 90.2133**, and the grayscale version is **83.4775, 87.8249, 95.6413**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4833, 46.8636, 59.9163** is the 20% darker color. If you saturate the color by 10%, you get **79.9497, 72.0760, 104.3060**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

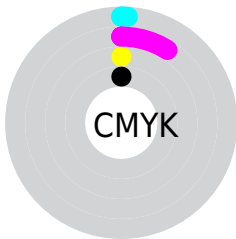
# Distribution



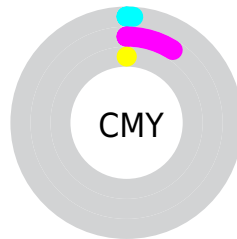
- Red (99%)
- Green (91%)
- Blue (100%)



- Red (99%)
- Yellow (91%)
- Blue (100%)



- Cyan (1%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (1%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.4146, 85.8159, 106.5646 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 87.4146, 85.8159, 106.5646 by changing the saturation by 10% instead.




 87.4146, 85.8159,  
106.5646

 87.4146, 85.8159,  
106.5646


507.9484,  
514.3240, 602.4661

 66.1675, 64.5158,  
81.1468


142.6386,  
141.5126, 172.2799

 48.6766, 47.0685,  
60.1308


177.3462,  
176.6778, 213.4144

 34.5765, 33.0898,  
43.0981


217.2714,  
217.2336, 260.6249

 23.5018, 22.1953,  
29.6301

262.7795,  
263.5643, 314.3299

 15.0872, 14.0005,  
19.3083

314.2359,  
316.0543, 374.9480

 8.9673, 8.1210,  
11.7142

372.0060,

 4.7768, 4.1725,

375.0880, 442.8977

6.4292

436.4550,  
441.0497, 518.5975

■ 2.1503, 1.7705,  
3.0348

■ 0.7164, 0.4687,  
1.1124

■ 87.4146, 85.8159,  
106.5646

■ 87.4146, 85.8159,  
106.5646

■ 79.9497, 72.0760,  
104.3060

95.0500, 100.0000,  
108.9000

■ 73.4886, 60.3308,  
102.3795

■ 67.9857, 50.4882,  
100.7697

■ 63.3891, 42.4444,  
99.4594

■ 59.6421, 36.0860,  
98.4295

■ 56.6813, 31.2864,  
97.6592

■ 54.4345, 27.9012,  
97.1242

■ 52.8162, 25.7593,  
96.7961

■ 51.6996, 24.6074,  
96.6326

# Harmonies

## Analogous

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



84.3537, 85.8159, 113.8198



87.4146, 85.8159, 106.5646



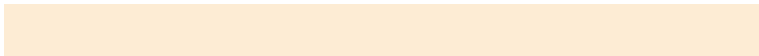
88.9168, 85.8159, 96.1546

# Triad

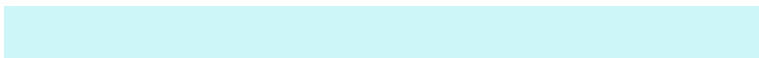
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4146, 85.8159, 106.5646



82.5082, 85.8159, 74.4435



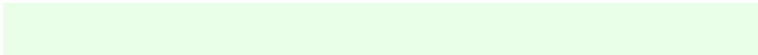
75.0909, 85.8159, 101.5596

# Complementary

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



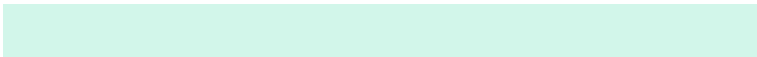
87.4146, 85.8159, 106.5646



84.2594, 94.8397, 90.2133

# 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.



74.6308, 85.8159, 90.7749



87.4146, 85.8159, 106.5646



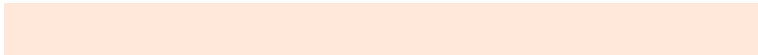
78.8393, 85.8159, 75.6489

# Square

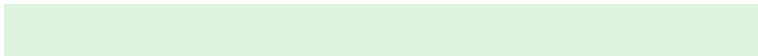
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4146, 85.8159, 106.5646



86.0283, 85.8159, 78.0095



75.9832, 85.8159, 81.4379



77.2597, 85.8159, 110.7794



# Rectangle

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



87.4146, 85.8159, 106.5646



88.8010, 85.8159, 89.0425



75.9832, 85.8159, 81.4379



74.7340, 85.8159, 97.9777

# Sweetspot

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



87.4169, 85.8195, 106.5652



92.4137, 95.0899, 108.0912



80.8405, 83.3964, 106.4441



19.6330, 20.0793, 23.0909



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.



87.4169, 85.8195, 106.5652



85.8542, 82.9314, 106.0901



86.7025, 85.6183, 98.9861



18.6278, 18.2154, 22.7841



27.0274, 12.8436, 50.4891



2.6754, 1.2732, 4.9180



# Inverse Universe

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



84.9502, 84.9173, 89.7585



82.8925, 81.8497, 85.8426



84.9483, 95.0398, 97.2459



18.0735, 18.0127, 19.0040



21.6470, 11.1481, 1.5258



2.1285, 1.0938, 0.2580



# Previews

## White Background



This preview shows how the XYZ color 87.4146, 85.8159, 106.5646 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

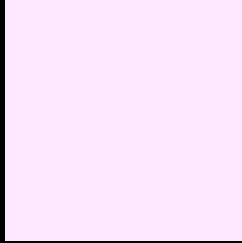
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.4146, 85.8159, 106.5646 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

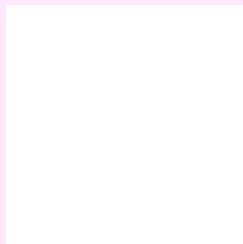
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 87.4146, 85.8159, 106.5646

## Background



This preview shows how black text looks on a background with the XYZ color 87.4146, 85.8159, 106.5646.



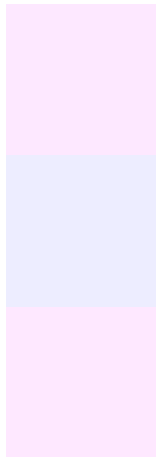
This preview shows how white text looks on a background with the XYZ color 87.4146, 85.8159,

106.5646.

# 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

87.4146, 85.8159, 106.5646

### Protanopia

83.2592, 85.7929, 106.7792

### Deuteranopia

87.7797, 86.0041, 106.5817



## Tritanopia

86.6964, 85.9383, 103.2851

# Trichromacy



## Original Color

87.4146, 85.8159, 106.5646

## Protanomaly

84.7205, 85.6913, 106.6826

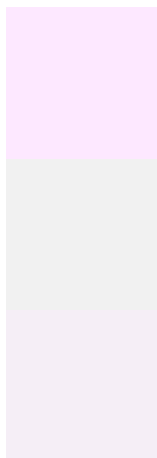
## Deuteranomaly

87.7797, 86.0041, 106.5817

## Tritanomaly

86.8545, 86.0015, 104.1177

# Monochromacy



## Original Color

87.4146, 85.8159, 106.5646

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

84.8653, 87.2154, 99.5501

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.4146, 85.8159, 106.5646 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, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 232, 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, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 232, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 87.4146, 85.8159, 106.5646 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, 232, 255) }
```



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

```
.border{ border-color:rgb(253, 232, 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, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 232,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.4146, 85.8159, 106.5646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 232, 255) }
```

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

```
.background{ background-color: rgb(253,  
232, 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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