

# Converting Colors

XYZ(86.2219, 84.0519,  
106.2870)

Have a look what the booklet for  
XYZ(86.2219, 84.0519, 106.2870)  
contains.

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# Color

**XYZ(86.2142, 83.9541,  
106.2685)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCE5FF
RGB	252, 229, 255
RGB Percent	99%, 90%, 100%
CMY	0.0118, 0.1019, 0.0000
CMYK	0.01, 0.10, 0.00, 0.00
HSL	293°, 100%, 95%
HSV	293°, 10%, 100%
XYZ	86.2142, 83.9541, 106.2685
YIQ	238.8410, 5.3620, 12.9620

# Conversions

## Conversions Part 2

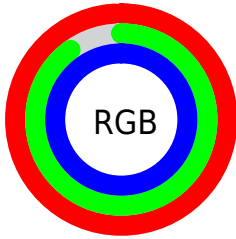
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 229, 255
Decimal	16573951
CIE Lab	93.43, 12.32, -9.71
CIE LCh	93, 15.690, 321.753
Yxy	83.9541, 0.3119, 0.3037
Android (android.graphics.Color)	4294764031 (0xFFFC E5FF)
YUV	238.8410, 7.9664, 11.5404
Hunter-Lab	91.6265, 7.6099, -4.6261

# Details

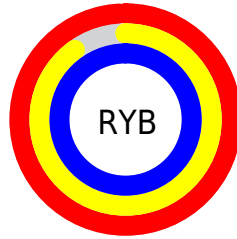
The XYZ color **86.2142, 83.9541, 106.2685** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.1837, 94.3340, 87.9570**, and the grayscale version is **81.8595, 86.1226, 93.7875**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.8348, 45.9514, 59.7744** is the 20% darker color. If you saturate the color by 10%, you get **78.6140, 70.3220, 104.0378**, and if you desaturate by 10%, it is **94.8716, 99.6743, 108.8465**.

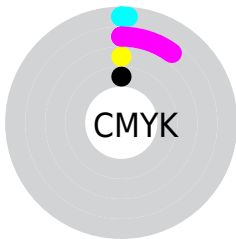
# Distribution



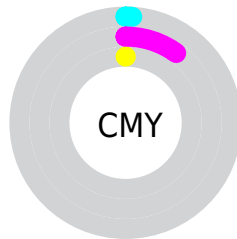
- Red (99%)
- Green (90%)
- Blue (100%)



- Red (99%)
- Yellow (90%)
- Blue (100%)



- Cyan (1%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (1%)
- Magenta (10%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.2142, 83.9541, 106.2685 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 86.2142, 83.9541, 106.2685 by changing the saturation by 10% instead.




 86.2142, 83.9541,  
106.2685

 86.2142, 83.9541,  
106.2685

504.0606,  
508.1608, 601.5260

 65.1710, 62.9775,  
80.8999


140.9737,  
138.9110, 171.8719

 47.8649, 45.8230,  
59.9286


175.4206,  
173.6601, 212.9438

 33.9308, 32.1062,  
42.9362

215.0661,  
213.7688, 260.0873

 23.0030, 21.4426,  
29.5040

260.2757,  
259.6216, 313.7207

 14.7165, 13.4479,  
19.2136

311.4145,  
311.6027, 374.2628

 8.7057, 7.7377,  
11.6463

368.8481,

 4.6053, 3.9276,

370.0968, 442.1320

6.3837

432.9416,  
435.4880, 517.7469

■ 2.0499, 1.6331,  
3.0073

■ 0.6618, 0.3798,  
1.0983

■ 86.2142, 83.9541,  
106.2685

■ 86.2142, 83.9541,  
106.2685

■ 78.6140, 70.3220,  
104.0378

94.8716, 99.6743,  
108.8465

■ 72.0194, 58.6775,  
102.1378

95.0500, 100.0000,  
108.9000

■ 66.3841, 48.9274,  
100.5528

■ 61.6556, 40.9669,  
99.2655

■ 57.7766, 34.6813,  
98.2567

■ 54.6828, 29.9421,  
97.5050

■ 52.3007, 26.6024,  
96.9860

■ 50.5424, 24.4867,  
96.6703

■ 49.2847, 23.3221,  
96.5118

# Harmonies

## Analogous

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



82.7834, 83.9541, 114.2708



86.2142, 83.9541, 106.2685



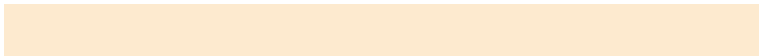
87.9386, 83.9541, 94.7222

# Triad

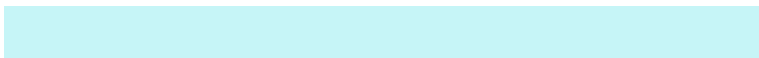
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.2142, 83.9541, 106.2685



80.9435, 83.9541, 70.6491



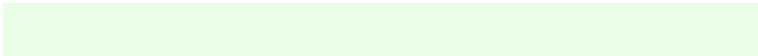
72.6262, 83.9541, 100.1264

# Complementary

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



86.2142, 83.9541, 106.2685



83.1837, 94.3340, 87.9570

# 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.



72.1720, 83.9541, 88.1793



86.2142, 83.9541, 106.2685



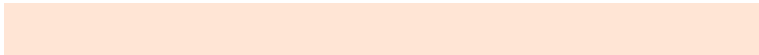
76.8811, 83.9541, 71.8246

# Square

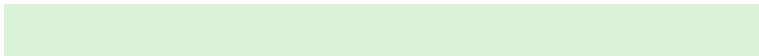
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.2142, 83.9541, 106.2685



84.8275, 83.9541, 74.6462



73.7042, 83.9541, 78.0085



74.9672, 83.9541, 110.5166



# Rectangle

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



86.2142, 83.9541, 106.2685



87.8484, 83.9541, 86.8449



73.7042, 83.9541, 78.0085



72.2511, 83.9541, 96.1359

# Sweetspot

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



86.2164, 83.9576, 106.2691



92.3340, 95.0488, 108.0875



79.2324, 81.6139, 106.1848



19.6115, 20.0681, 23.0899



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.



86.2164, 83.9576, 106.2691



84.7666, 81.3433, 105.8409



85.7478, 83.8966, 98.0889



18.5742, 18.1878, 22.7816



25.8345, 12.2287, 50.4333



2.5715, 1.2196, 4.9131



# Inverse Universe

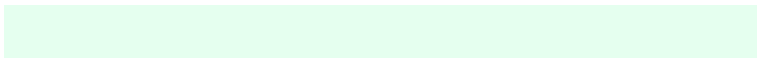
The Inverse Universe completely reimagines the original color for something new.



83.8270, 83.1283, 87.9742



81.9971, 80.3841, 84.5415



83.6506, 94.4092, 95.4523



18.0946, 18.0211, 19.1151



21.6942, 11.1670, 1.7741



2.1384, 1.0977, 0.3103



# Previews

## White Background



This preview shows how the XYZ color 86.2142, 83.9541, 106.2685 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

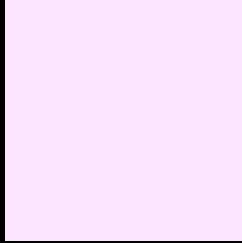
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.2142, 83.9541, 106.2685 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

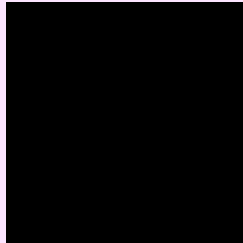
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

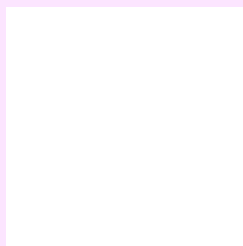
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 86.2142, 83.9541, 106.2685

## Background



This preview shows how black text looks on a background with the XYZ color 86.2142, 83.9541, 106.2685.



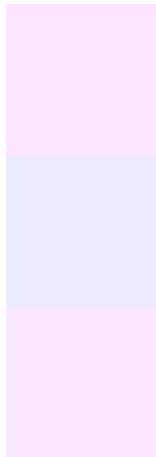
This preview shows how white text looks on a background with the XYZ color 86.2142, 83.9541,

106.2685.

# 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

86.2142, 83.9541, 106.2685

### Protanopia

81.6900, 84.1291, 106.5408

### Deuteranopia

86.1305, 84.3229, 106.3441



## Tritanopia

85.0238, 83.8802, 100.5162

# Trichromacy



## Original Color

86.2142, 83.9541, 106.2685

## Protanomaly

83.4645, 84.1986, 106.4606

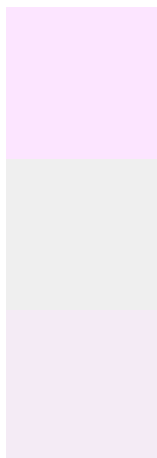
## Deuteranomaly

86.1305, 84.3229, 106.3441

## Tritanomaly

85.4931, 84.0679, 102.9875

# Monochromacy



## Original Color

86.2142, 83.9541, 106.2685

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

83.4980, 85.2423, 98.4388

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.2142, 83.9541, 106.2685 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(252, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 229, 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(252, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 229, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 86.2142, 83.9541, 106.2685 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(252, 229, 255) }
```



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

```
.border{ border-color:rgb(252, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 229,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.2142, 83.9541, 106.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 229, 255) }
```

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

```
.background{ background-color: rgb(252,  
229, 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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