

# Converting Colors

XYZ(89.7864, 91.3555,  
106.6670)

Have a look what the booklet for  
XYZ(89.7864, 91.3555, 106.6670)  
contains.

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# **Color**

**XYZ(89.7864, 91.3555,  
106.6670)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCF2FE
RGB	252, 242, 254
RGB Percent	99%, 95%, 100%
CMY	0.0118, 0.0510, 0.0039
CMYK	0.01, 0.05, 0.00, 0.00
HSL	290°, 86%, 97%
HSV	290°, 5%, 100%
XYZ	89.7864, 91.3555, 106.6670
YIQ	246.3580, 2.1080, 5.8520

# Conversions

## Conversions Part 2

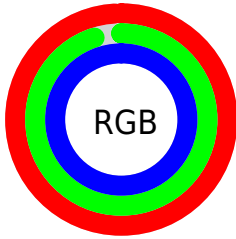
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 242, 254
Decimal	16577278
CIE Lab	96.56, 5.44, -4.57
CIE LCh	97, 7.109, 319.977
Yxy	91.3555, 0.3120, 0.3174
Android (android.graphics.Color)	4294767358 (0xFFFCF2FE)
YUV	246.3580, 3.7675, 4.9480
Hunter-Lab	95.5801, 0.4149, 0.7386

# Details

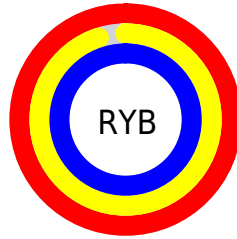
The XYZ color 89.7864, 91.3555, 106.6670 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.7805, 96.5299, 97.9620, and the grayscale version is 87.8587, 92.4342, 100.6608.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.1426, 50.7511, 59.9765 is the 20% darker color. If you saturate the color by 10%, you get 81.2298, 76.4925, 104.2505, and if you desaturate by 10%, it is 94.8896, 99.9359, 108.0556.

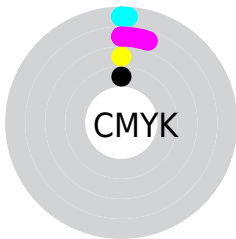
# Distribution



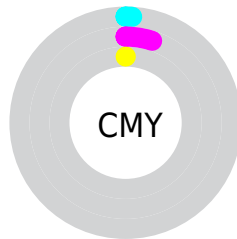
- Red (99%)
- Green (95%)
- Blue (100%)



- Red (99%)
- Yellow (95%)
- Blue (100%)



- Cyan (1%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (1%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.7864, 91.3555, 106.6670 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 89.7864, 91.3555, 106.6670 by changing the saturation by 10% instead.




 89.7864, 91.3555,  
106.6670

 89.7864, 91.3555,  
106.6670


515.5840,  
532.4304, 602.7910

 68.1392, 69.1054,  
81.2322


145.9215,  
149.2198, 172.4209

 50.2851, 50.7976,  
60.2007


181.1401,  
185.6029, 213.5771

 35.8587, 36.0475,  
43.1541


221.6133,  
227.4657, 260.8108

 24.4947, 24.4709,  
29.6737

267.7063,  
275.1927, 314.5405

 15.8277, 15.6833,  
19.3411

319.7845,  
329.1683, 375.1849

 9.4924, 9.3003,  
11.7377

378.2133,

 5.1234, 4.9376,

389.7768, 443.1624

6.4450

443.3580,  
457.4028, 518.8916

■ 2.3553, 2.2107,  
3.0444

■ 0.8228, 0.7258,  
1.1173

■ 89.7864, 91.3555,  
106.6670

■ 89.7864, 91.3555,  
106.6670

■ 81.2298, 76.4925,  
104.2505

94.8896, 99.9359,  
108.0556

■ 73.7114, 63.6567,  
102.1692

■ 67.1876, 52.7602,  
100.4098

■ 61.6087, 43.7035,  
98.9557

■ 56.9204, 36.3788,  
97.7890

■ 53.0629, 30.6665,  
96.8898

■ 49.9687, 26.4320,  
96.2355

■ 47.5592, 23.5186,  
95.8001

■ 45.7379, 21.7336,  
95.5516

# Harmonies

## Analogous

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



88.1412, 91.3555, 110.1014



89.7864, 91.3555, 106.6670



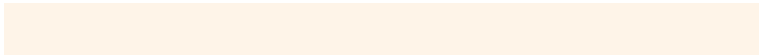
90.6436, 91.3555, 101.3851

# Triad

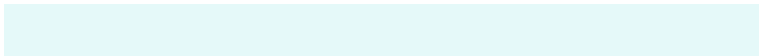
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.7864, 91.3555, 106.6670



87.4966, 91.3555, 89.0902



83.2928, 91.3555, 103.2521

# Complementary

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



89.7864, 91.3555, 106.6670



88.7805, 96.5299, 97.9620

# 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.



83.1261, 91.3555, 97.5804



89.7864, 91.3555, 106.6670



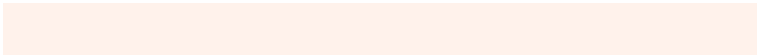
85.5332, 91.3555, 89.5471

# Square

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



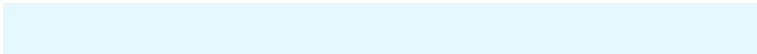
89.7864, 91.3555, 106.6670



89.3084, 91.3555, 91.3325



83.9405, 91.3555, 92.6054



84.3992, 91.3555, 108.0783

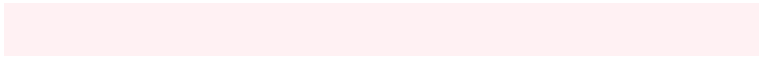


# Rectangle

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



89.7864, 91.3555, 106.6670



90.6442, 91.3555, 97.5887



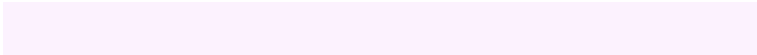
83.9405, 91.3555, 92.6054



83.1256, 91.3555, 101.3765

# Sweetspot

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



89.7890, 91.3594, 106.6690



94.0857, 98.3032, 108.6233



86.9221, 90.8591, 106.7235



20.1484, 21.0588, 23.2528



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.



89.7890, 91.3594, 106.6690



89.4296, 90.1431, 107.2937



89.9147, 91.4938, 103.5305



19.0158, 19.0746, 22.9295



23.8020, 11.1808, 50.3382

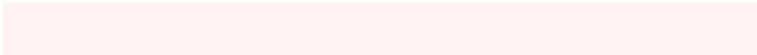


2.3929, 1.1275, 4.9048



# Inverse Universe

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



88.9576, 91.1110, 98.4903



88.3766, 89.8296, 96.8830



88.6669, 96.4047, 100.9663



18.7674, 19.0008, 20.4677



21.8079, 11.2125, 2.3732

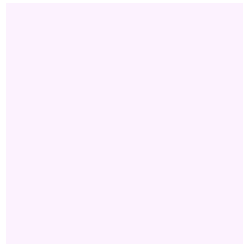


2.1564, 1.1049, 0.4051



# Previews

## White Background



This preview shows how the XYZ color 89.7864, 91.3555, 106.6670 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

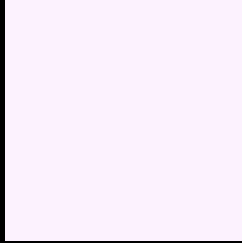
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.7864, 91.3555, 106.6670 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

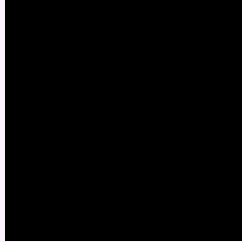
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

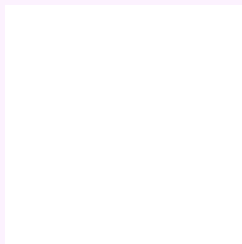
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.7864, 91.3555, 106.6670

## Background



This preview shows how black text looks on a background with the XYZ color 89.7864, 91.3555, 106.6670.



This preview shows how white text looks on a background with the XYZ color 89.7864, 91.3555,

106.670.

# 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

89.7864, 91.3555, 106.6670

### Protanopia

88.7585, 91.6955, 107.6287

### Deuteranopia

89.9506, 91.0727, 103.2804



## Tritanopia

89.2265, 91.0483, 107.4791

# Trichromacy



## Original Color

89.7864, 91.3555, 106.6670

## Protanomaly

89.1675, 91.4609, 107.5618

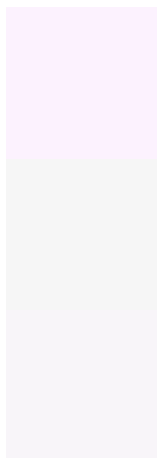
## Deuteranomaly

89.7409, 90.9465, 104.0914

## Tritanomaly

89.5858, 91.2335, 107.4959

# Monochromacy



## Original Color

89.7864, 91.3555, 106.6670

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

88.4627, 92.1008, 102.7373

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.7864, 91.3555, 106.6670 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, 242, 254)` looks like.

```
.text, #text, p{  
    color:rgb(252, 242, 254)  
}
```

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, 242, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 242, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 89.7864, 91.3555, 106.6670 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, 242, 254) }
```



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

```
.border{ border-color:rgb(252, 242, 254) }
```

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

Here you see how a box with a 4 pixel rgb(252, 242, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 242, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 242, 254);  
box-shadow:4px 4px 4px 4px rgb(252, 242,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.7864, 91.3555, 106.6670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 242, 254) }
```

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

```
.background{ background-color: rgb(252,  
242, 254) }
```

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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