

# Converting Colors

XYZ(106.5682, 94.0469,  
217.7412)

Have a look what the booklet for  
XYZ(106.5682, 94.0469, 217.7412)  
contains.

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# **Color**

**XYZ(85.4789, 85.6585,  
106.6363)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6EAFF
RGB	246, 234, 255
RGB Percent	96%, 92%, 100%
CMY	0.0353, 0.0823, 0.0000
CMYK	0.04, 0.08, 0.00, 0.00
HSL	274°, 100%, 96%
HSV	274°, 8%, 100%
XYZ	85.4789, 85.6585, 106.6363
YIQ	239.9820, 0.4110, 9.0750

# Conversions

## Conversions Part 2

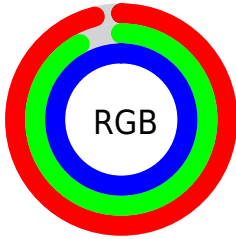
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 234, 255
Decimal	16182015
CIE Lab	94.17, 7.77, -8.67
CIE LCh	94, 11.646, 311.861
Yxy	85.6585, 0.3077, 0.3084
Android (android.graphics.Color)	4294372095 (0xFF6EAF)
YUV	239.9820, 7.4039, 5.2778
Hunter-Lab	92.5519, 2.8929, -3.5264

# Details

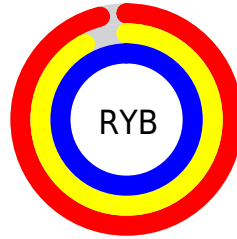
The XYZ color **85.4789, 85.6585, 106.6363** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.5756, 96.5162, 91.8600**, and the grayscale version is **82.7561, 87.0659, 94.8147**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3486, 46.8652, 59.9764** is the 20% darker color. If you saturate the color by 10%, you get **75.0143, 70.2533, 104.2143**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

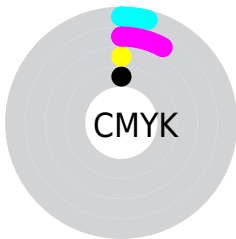
# Distribution



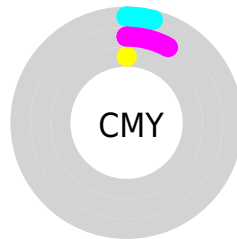
- Red (96%)
- Green (92%)
- Blue (100%)



- Red (96%)
- Yellow (92%)
- Blue (100%)



- Cyan (4%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.4789, 85.6585, 106.6363 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 85.4789, 85.6585, 106.6363 by changing the saturation by 10% instead.




 85.4789, 85.6585,  
106.6363

 85.4789, 85.6585,  
106.6363


501.6712,  
513.8045, 602.6936

 64.5610, 64.3856,  
81.2066


139.9527,  
141.2928, 172.3786

 47.3686, 46.9631,  
60.1798


174.2392,  
176.4231, 213.5283

 33.5363, 33.0065,  
43.1373

213.7127,  
216.9412, 260.7550

 22.6988, 22.1314,  
29.6607

258.7384,  
263.2317, 314.4774

 14.4907, 13.9535,  
19.3313

309.6818,  
315.6789, 375.1139

 8.5467, 8.0883,  
11.7307

366.9081,

 4.5015, 4.1515,

374.6671, 443.0830

6.4403

430.7828,  
440.5809, 518.8034

■ 1.9896, 1.7587,  
3.0415

■ 0.6281, 0.4612,  
1.1159

■ 85.4789, 85.6585,  
106.6363

■ 85.4789, 85.6585,  
106.6363

■ 75.0143, 70.2533,  
104.2143

95.0500, 100.0000,  
108.9000

■ 65.7696, 56.9596,  
102.1356

■ 57.6955, 45.6836,  
100.3847

■ 50.7364, 36.3204,  
98.9442

■ 44.8318, 28.7552,  
97.7952

■ 39.9147, 22.8603,  
96.9165

■ 35.9095, 18.4908,  
96.2842

■ 32.7270, 15.4757,  
95.8699

■ 30.2465, 13.5801,  
95.6348

# Harmonies

## Analogous

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



82.6532, 85.6585, 111.0838



85.4789, 85.6585, 106.6363



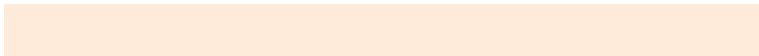
87.2419, 85.6585, 98.7109

# Triad

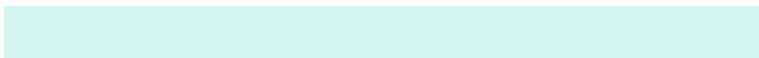
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4789, 85.6585, 106.6363



83.2950, 85.6585, 77.8965



75.6933, 85.6585, 96.8381

# Complementary

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



85.4789, 85.6585, 106.6363



87.5756, 96.5162, 91.8600

# 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.



75.8551, 85.6585, 88.0281



85.4789, 85.6585, 106.6363



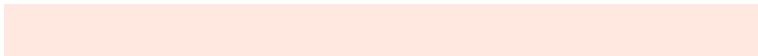
80.1909, 85.6585, 77.4660

# Square

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



85.4789, 85.6585, 106.6363



85.9590, 85.6585, 82.2816



77.4836, 85.6585, 81.0656



77.0356, 85.6585, 105.1903



# Rectangle

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



85.4789, 85.6585, 106.6363



87.5506, 85.6585, 92.7116



77.4836, 85.6585, 81.0656



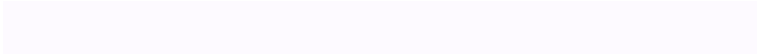
75.5745, 85.6585, 93.8257

# Sweetspot

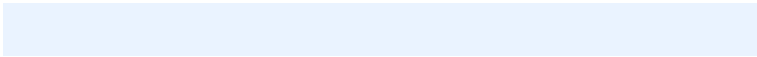
The Sweet Spot groups the original color and five complimentary colors.



85.4812, 85.6621, 106.6368



92.6449, 96.3769, 108.3274



84.0651, 88.8764, 107.3319



19.8551, 20.6666, 23.1925



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.



85.4812, 85.6621, 106.6368



83.5407, 82.7815, 106.1831



88.4899, 87.2391, 105.6057



17.9968, 17.8901, 22.7545



15.7728, 7.0417, 49.9624



1.6609, 0.7501, 4.8705



# Inverse Universe

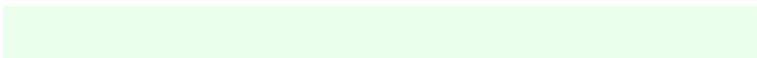
The Inverse Universe completely reimagines the original color for something new.



86.8427, 86.5802, 96.9316



85.1899, 83.8925, 94.4757



84.7476, 95.0350, 92.7816



18.3325, 18.1163, 20.3682



23.0706, 11.7175, 9.0222

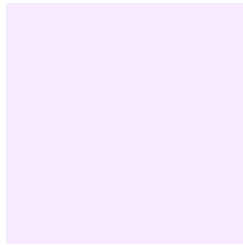


2.2997, 1.1623, 1.1597



# Previews

## White Background



This preview shows how the XYZ color 85.4789, 85.6585, 106.6363 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

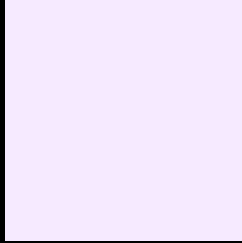
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.4789, 85.6585, 106.6363 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

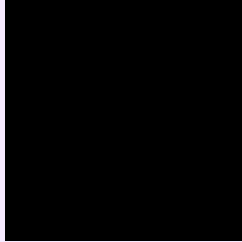
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

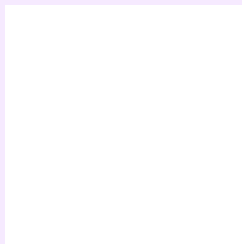
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 85.4789, 85.6585, 106.6363

## Background



This preview shows how black text looks on a background with the XYZ color 85.4789, 85.6585, 106.6363.



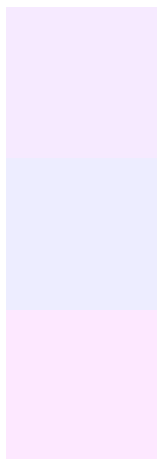
This preview shows how white text looks on a background with the XYZ color 85.4789, 85.6585,

106.6363.

# 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

85.4789, 85.6585, 106.6363

### Protanopia

83.2592, 85.7929, 106.7792

### Deuteranopia

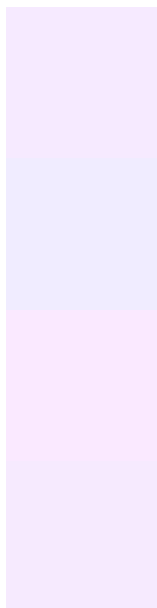
87.4146, 85.8159, 106.5646



## **Tritanopia**

85.1585, 85.5303, 104.9492

# Trichromacy



## Original Color

85.4789, 85.6585, 106.6363

## Protanomaly

83.9806, 85.7362, 106.7302

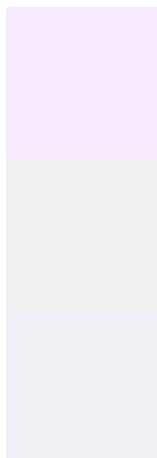
## Deuteranomaly

86.6133, 85.8218, 106.6080

## Tritanomaly

85.3182, 85.5942, 105.7905

# Monochromacy



## Original Color

85.4789, 85.6585, 106.6363

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

83.6739, 86.6189, 98.6952

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.4789, 85.6585, 106.6363 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(246, 234, 255) looks like.

```
.text, #text, p{  
    color:rgb(246, 234, 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(246, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 234, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 85.4789, 85.6585, 106.6363 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(246, 234, 255) }
```



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

```
.border{ border-color:rgb(246, 234, 255) }
```

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

Here you see how a box with a 4 pixel rgb(246, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 234,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.4789, 85.6585, 106.6363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 234, 255) }
```

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

```
.background{ background-color: rgb(246,  
234, 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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