

# Converting Colors

XYZ(85.5893, 86.4045,  
106.7744)

Have a look what the booklet for  
XYZ(85.5893, 86.4045, 106.7744)  
contains.

<b>XYZ(85.7016, 86.6234, 106.8108)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(85.7016, 86.6234,  
106.8108)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5ECFF
RGB	245, 236, 255
RGB Percent	96%, 93%, 100%
CMY	0.0392, 0.0745, 0.0000
CMYK	0.04, 0.07, 0.00, 0.00
HSL	268°, 100%, 96%
HSV	268°, 7%, 100%
XYZ	85.7016, 86.6234, 106.8108
YIQ	240.8570, -0.7350, 7.8170

# Conversions

## Conversions Part 2

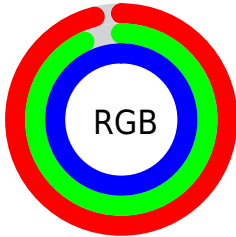
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 236, 255
Decimal	16116991
CIE Lab	94.58, 6.41, -8.07
CIE LCh	95, 10.309, 308.473
Yxy	86.6234, 0.3070, 0.3103
Android (android.graphics.Color)	4294307071 (0xFF5ECFF)
YUV	240.8570, 6.9725, 3.6334
Hunter-Lab	93.0717, 1.4896, -2.8921

# Details

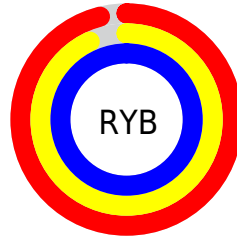
The XYZ color **85.7016, 86.6234, 106.8108** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.9086, 97.1700, 93.4310**, and the grayscale version is **83.4460, 87.7917, 95.6052**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5006, 47.5386, 60.0984** is the 20% darker color. If you saturate the color by 10%, you get **74.3638, 70.6487, 104.3249**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

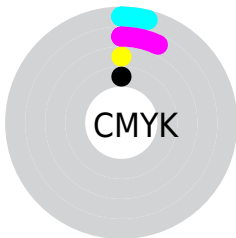
# Distribution



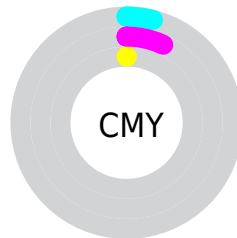
- Red (96%)
- Green (93%)
- Blue (100%)



- Red (96%)
- Yellow (93%)
- Blue (100%)



- Cyan (4%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.7016, 86.6234, 106.8108 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 85.7016, 86.6234, 106.8108 by changing the saturation by 10% instead.



85.7016, 86.6234,  
106.8108

85.7016, 86.6234,  
106.8108

502.3955,  
516.9846, 603.2471

64.7457, 65.1836,  
81.3521

140.2620,  
142.6391, 172.6190

47.5188, 47.6100,  
60.2989

174.5972,  
177.9838, 213.8055

33.6557, 33.5181,  
43.2328

214.1228,  
218.7322, 261.0717

22.7908, 22.5237,  
29.7350

259.2043,  
265.2688, 314.8362

14.5590, 14.2422,  
19.3872

310.2069,  
317.9780, 375.5174

8.5948, 8.2893,  
11.7708

367.4961,

4.5328, 4.2806,

377.2440, 443.5339

6.4671

431.4372,  
443.4514, 519.3043

■ 2.0077, 1.8317,  
3.0578

■ 0.6383, 0.5068,  
1.1242

■ 85.7016, 86.6234,  
106.8108

■ 85.7016, 86.6234,  
106.8108

■ 74.3638, 70.6487,  
104.3249

95.0500, 100.0000,  
108.9000

■ 64.3602, 56.8498,  
102.1887

■ 55.6385, 45.1318,  
100.3866

■ 48.1398, 35.3884,  
98.9011

■ 41.8002, 27.5037,  
97.7134

■ 36.5495, 21.3494,  
96.8022

■ 32.3084, 16.7798,  
96.1437

■ 28.9848, 13.6241,  
95.7098

■ 26.4610, 11.6609,  
95.4639

# Harmonies

## Analogous

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



83.1226, 86.6234, 110.2750



85.7016, 86.6234, 106.8108



87.4033, 86.6234, 100.0444

# Triad

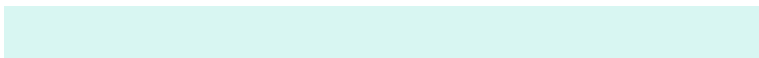
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7016, 86.6234, 106.8108



84.3088, 86.6234, 80.7893



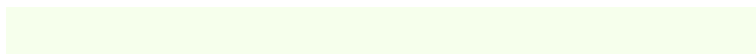
77.1612, 86.6234, 96.5906

# Complementary

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



85.7016, 86.6234, 106.8108



88.9086, 97.1700, 93.4310

# 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.



77.4626, 86.6234, 88.8147



85.7016, 86.6234, 106.8108



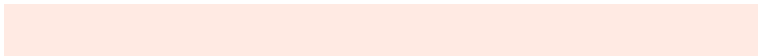
81.5483, 86.6234, 79.9800

# Square

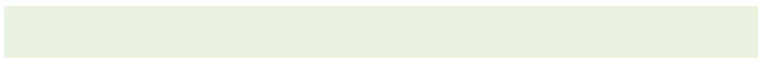
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.7016, 86.6234, 106.8108



86.5867, 86.6234, 85.1159



79.0537, 86.6234, 82.8397



78.2209, 86.6234, 104.1609



# Rectangle

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



85.7016, 86.6234, 106.8108



87.7897, 86.6234, 94.7264



79.0537, 86.6234, 82.8397



77.1071, 86.6234, 93.9111

# Sweetspot

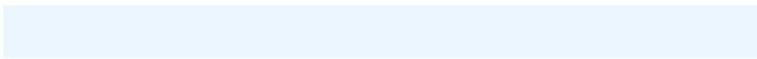
The Sweet Spot groups the original color and five complimentary colors.



85.7039, 86.6270, 106.8113



92.4638, 96.2835, 108.3189



85.6411, 91.0482, 107.6680



19.8182, 20.6476, 23.1908



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.



85.7039, 86.6270, 106.8113



83.8550, 84.0017, 106.4021



89.0546, 88.3543, 106.9682



17.8213, 17.7996, 22.7463



13.7044, 5.9754, 49.8656



1.4594, 0.6463, 4.8611



# Inverse Universe

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



87.8723, 87.9083, 99.5287



86.4597, 85.5410, 97.6461



85.7058, 95.5189, 93.2811



18.4089, 18.1469, 20.7703



23.8817, 12.0420, 13.2934

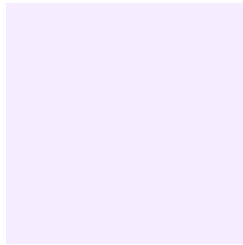


2.3805, 1.1946, 1.5852



# Previews

## White Background



This preview shows how the XYZ color 85.7016, 86.6234, 106.8108 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

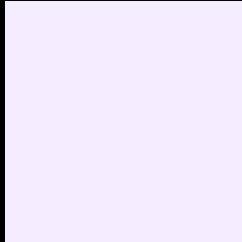
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.7016, 86.6234, 106.8108 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

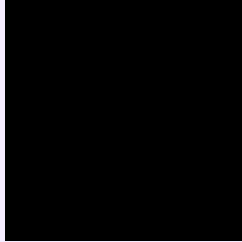
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 85.7016, 86.6234, 106.8108

## Background



This preview shows how black text looks on a background with the XYZ color 85.7016, 86.6234, 106.8108.



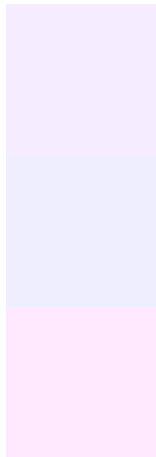
This preview shows how white text looks on a background with the XYZ color 85.7016, 86.6234,

106.8108.

# 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

85.7016, 86.6234, 106.8108

### Protanopia

84.2211, 86.7198, 106.9074

### Deuteranopia

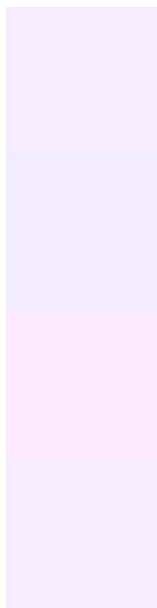
88.0620, 86.5687, 106.6758



## Tritanopia

85.7016, 86.6234, 106.8108

# Trichromacy



## Original Color

85.7016, 86.6234, 106.8108

## Protanomaly

84.6098, 86.4891, 106.8424

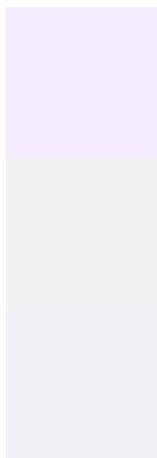
## Deuteranomaly

87.2565, 86.5749, 106.7195

## Tritanomaly

85.7016, 86.6234, 106.8108

# Monochromacy



## Original Color

85.7016, 86.6234, 106.8108

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

84.1190, 87.2641, 99.5989

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.7016, 86.6234, 106.8108 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(245, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 236, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 85.7016, 86.6234, 106.8108 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(245, 236, 255) }
```



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

```
.border{ border-color:rgb(245, 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(245, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 236,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.7016, 86.6234, 106.8108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 236, 255) }
```

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

```
.background{ background-color: rgb(245,  
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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