

# Converting Colors

XYZ(83.9677, 89.6297,  
107.4824)

Have a look what the booklet for  
XYZ(83.9677, 89.6297, 107.4824)  
contains.

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# **Color**

**XYZ(83.9811, 89.6806,  
107.4916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8F5FF
RGB	232, 245, 255
RGB Percent	91%, 96%, 100%
CMY	0.0902, 0.0392, 0.0000
CMYK	0.09, 0.04, 0.00, 0.00
HSL	206°, 100%, 95%
HSV	206°, 9%, 100%
XYZ	83.9811, 89.6806, 107.4916
YIQ	242.2530, -10.9580, 0.3540

# Conversions

## Conversions Part 2

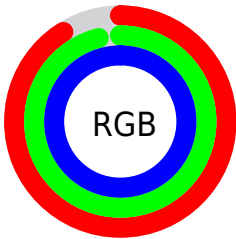
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	232, 240, 255
Decimal	15267327
CIE <sub>Lab</sub>	95.86, -2.38, -6.28
CIE <sub>LCh</sub>	96, 6.713, 249.205
Y <sub>xy</sub>	89.6806, 0.2987, 0.3190
Android (android.graphics.Color)	4293457407 (0xFFE8F5FF)
Y <sub>UV</sub>	242.2530, 6.2843, -8.9919
Hunter-Lab	94.6998, -7.4285, -1.0088

# Details

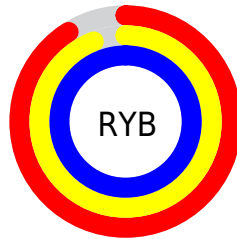
The XYZ color **83.9811, 89.6806, 107.4916** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.5569, 90.5885, 89.2160**, and the grayscale version is **84.5584, 88.9621, 96.8797**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2951, 49.7025, 60.5796** is the 20% darker color. If you saturate the color by 10%, you get **73.0443, 79.2159, 106.0481**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

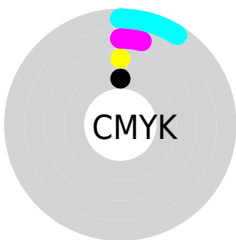
# Distribution



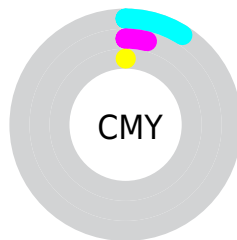
- Red (91%)
- Green (96%)
- Blue (100%)



- Red (91%)
- Yellow (94%)
- Blue (100%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.9811, 89.6806, 107.4916 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 83.9811, 89.6806, 107.4916 by changing the saturation by 10% instead.



83.9811, 89.6806,  
107.4916

83.9811, 89.6806,  
107.4916

496.7851,  
526.9913, 605.4042

63.3195, 67.7158,  
81.9200

137.8701,  
146.8947, 173.5562

46.3593, 49.6665,  
60.7642

171.8283,  
182.9127, 214.8863

32.7353, 35.1485,  
43.6056

210.9493,  
224.3839, 262.3064

22.0820, 23.7773,  
30.0256

255.5985,  
271.6926, 316.2349

14.0341, 15.1685,  
19.6058

306.1414,  
325.2233, 377.0904

8.2263, 8.9377,  
11.9276

362.9432,

4.2931, 4.7006,

385.3604, 445.2914

6.5725

426.3693,  
452.4883, 521.2565

■ 1.8692, 2.0727,  
3.1218

■ 0.5589, 0.6492,  
1.1572

■ 83.9811, 89.6806,  
107.4916

■ 83.9811, 89.6806,  
107.4916

■ 73.0443, 79.2159,  
106.0481

95.0500, 100.0000,  
108.9000

■ 63.4519, 69.7348,  
104.7236

■ 55.1476, 61.2053,  
103.5150

■ 48.0679, 53.5893,  
102.4181

■ 42.1435, 46.8453,  
101.4286

■ 37.2975, 40.9281,  
100.5419

■ 33.4428, 35.7867,  
99.7526

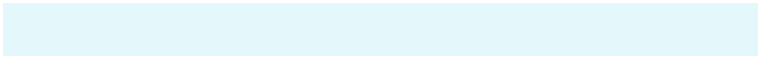
■ 30.4763, 31.3616,  
99.0549

■ 28.2478, 27.5691,  
98.4403

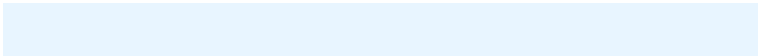
# Harmonies

## Analogous

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



82.5098, 89.6806, 104.2342



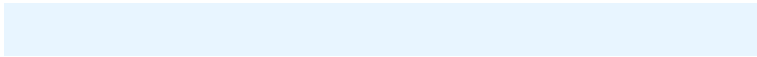
83.9811, 89.6806, 107.4916



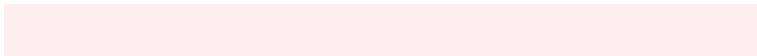
85.8095, 89.6806, 108.0607

# Triad

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



83.9811, 89.6806, 107.4916



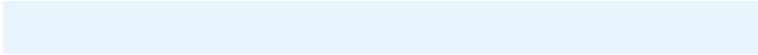
88.8013, 89.6806, 96.0250



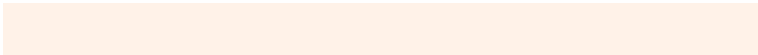
83.0082, 89.6806, 89.9578

# Complementary

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



83.9811, 89.6806, 107.4916



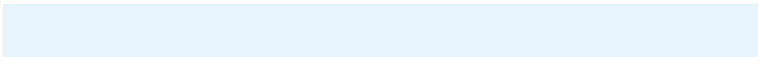
87.5569, 90.5885, 89.2160

# Split Complementary

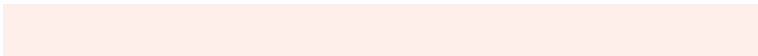
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6705, 89.6806, 87.9247



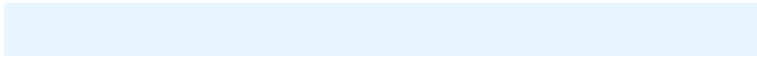
83.9811, 89.6806, 107.4916



88.0271, 89.6806, 91.3432

# Square

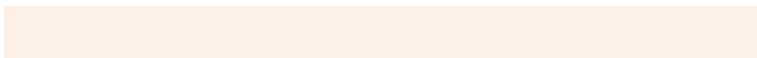
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9811, 89.6806, 107.4916



88.6102, 89.6806, 101.3114



86.5088, 89.6806, 88.4225

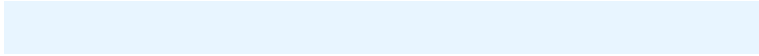


81.9538, 89.6806, 94.0719



# Rectangle

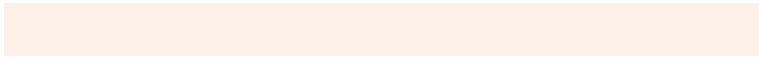
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9811, 89.6806, 107.4916



86.9876, 89.6806, 106.8193



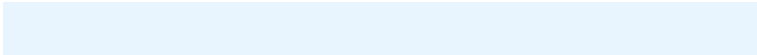
86.5088, 89.6806, 88.4225



83.5135, 89.6806, 89.0152

# Sweetspot

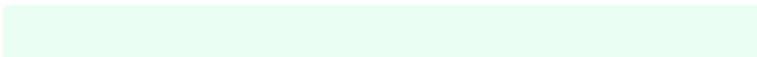
The Sweet Spot groups the original color and five complimentary colors.



83.9834, 89.6843, 107.4921



91.2399, 96.4750, 108.4204



85.0615, 95.0850, 97.8491



19.3158, 20.4514, 23.1794



0.0000, 0.0000, 0.0000

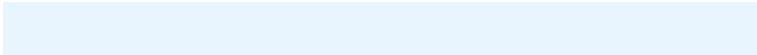


20.3446, 21.4041, 23.3091

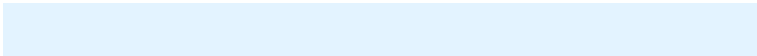


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9834, 89.6843, 107.4921



81.7065, 87.5302, 107.1964



80.6200, 82.9575, 106.3710



17.8553, 19.0823, 22.9921



14.8084, 14.5264, 51.4580



1.5506, 1.6318, 5.0465



# Inverse Universe

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



86.5794, 85.5673, 98.3435



84.8444, 82.6304, 96.1211



91.0786, 97.6320, 90.3899



18.4396, 18.1592, 20.9323



24.2628, 12.1944, 15.3003

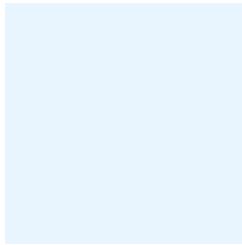


2.4173, 1.2093, 1.7787



# Previews

## White Background



This preview shows how the XYZ color 83.9811, 89.6806, 107.4916 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

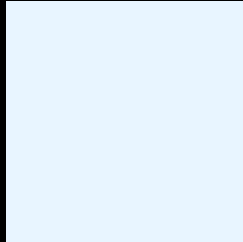
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.9811, 89.6806, 107.4916 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

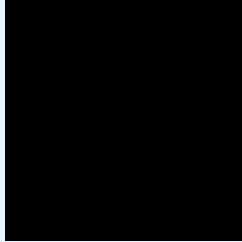
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

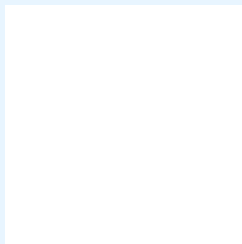
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.9811, 89.6806, 107.4916

## Background



This preview shows how black text looks on a background with the XYZ color 83.9811, 89.6806, 107.4916.



This preview shows how white text looks on a background with the XYZ color 83.9811, 89.6806,

107.4916.

# 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

83.9811, 89.6806, 107.4916

### Protanopia

86.4931, 89.2355, 105.5940

### Deuteranopia

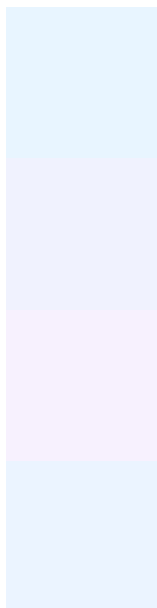
89.5442, 89.5009, 105.4844



## Tritanopia

85.0256, 89.3257, 107.3680

# Trichromacy



## Original Color

83.9811, 89.6806, 107.4916

## Protanomaly

85.5767, 89.1853, 106.4700

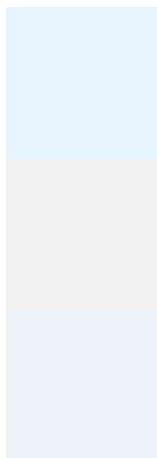
## Deuteranomaly

87.7025, 89.8405, 106.4845

## Tritanomaly

84.6616, 89.5835, 107.4369

# Monochromacy



## Original Color

83.9811, 89.6806, 107.4916

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.0990, 88.9937, 100.7407

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.9811, 89.6806, 107.4916 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(232, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 245, 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(232, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 245, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 83.9811, 89.6806, 107.4916 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(232, 245, 255) }
```



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

```
.border{ border-color:rgb(232, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 245,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.9811, 89.6806, 107.4916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 245, 255) }
```

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

```
.background{ background-color: rgb(232,  
245, 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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