

# Converting Colors

XYZ(83.0371, 86.5303,  
106.9332)

Have a look what the booklet for  
XYZ(83.0371, 86.5303, 106.9332)  
contains.

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# Color

**XYZ(83.1775, 86.6152,  
106.9422)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">EBEFFF</a>
RGB	<a href="#">235, 239, 255</a>
RGB Percent	<a href="#">92%, 94%, 100%</a>
CMY	<a href="#">0.0784, 0.0627, 0.0000</a>
CMYK	<a href="#">0.08, 0.06, 0.00, 0.00</a>
HSL	<a href="#">228°, 100%, 96%</a>
HSV	<a href="#">228°, 8%, 100%</a>
XYZ	<a href="#">83.1775, 86.6152, 106.9422</a>
YIQ	<a href="#">239.6280, -7.5200, 4.1280</a>

# Conversions

## Conversions Part 2

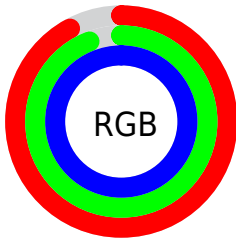
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 238, 255
Decimal	15462399
CIE Lab	94.57, 1.64, -8.16
CIE LCh	95, 8.321, 281.361
Yxy	86.6152, 0.3006, 0.3130
Android (android.graphics.Color)	4293652479 (0xFFEBEFFF)
YUV	239.6280, 7.5784, -4.0588
Hunter-Lab	93.0673, -3.3360, -2.9821

# Details

The XYZ color **83.1775, 86.6152, 106.9422** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.7319, 96.2506, 92.3951**, and the grayscale version is **82.4826, 86.7781, 94.5014**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7169, 47.5279, 60.1903** is the 20% darker color. If you saturate the color by 10%, you get **69.7168, 71.3086, 104.6972**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

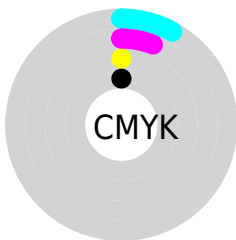
# Distribution



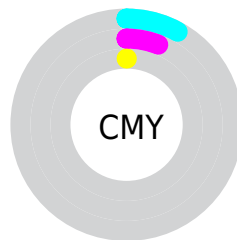
- Red (92%)
- Green (94%)
- Blue (100%)



- Red (92%)
- Yellow (93%)
- Blue (100%)



- Cyan (8%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (6%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.1775, 86.6152, 106.9422 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 83.1775, 86.6152, 106.9422 by changing the saturation by 10% instead.




 83.1775, 86.6152,  
106.9422

 83.1775, 86.6152,  
106.9422


494.1529,  
516.9576, 603.6638

 62.6540, 65.1768,  
81.4617


136.7513,  
142.6277, 172.7999

 45.8190, 47.6045,  
60.3887


170.5322,  
177.9705, 214.0142

 32.3070, 33.5138,  
43.3047


209.4631,  
218.7170, 261.3101

 21.7528, 22.5203,  
29.7911

253.9092,  
265.2515, 315.1063

 13.7909, 14.2397,  
19.4293

304.2358,  
317.9585, 375.8212

 8.0561, 8.2876,  
11.8010

360.8084,

 4.1830, 4.2795,

377.2222, 443.8734

6.4874

423.9923,  
443.4271, 519.6814

■ 1.8062, 1.8311,  
3.0701

■ 0.5214, 0.5065,  
1.1306

■ 83.1775, 86.6152,  
106.9422

■ 83.1775, 86.6152,  
106.9422

■ 69.7168, 71.3086,  
104.6972

95.0500, 100.0000,  
108.9000

■ 58.0610, 57.8972,  
102.7229

■ 48.1341, 46.3092,  
101.0094

■ 39.8521, 36.4646,  
99.5457

■ 33.1238, 28.2767,  
98.3199

■ 27.8486, 21.6514,  
97.3191

■ 23.9138, 16.4847,  
96.5292

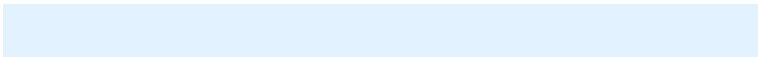
■ 21.1888, 12.6587,  
95.9343

■ 19.5065, 10.0307,  
95.5158

# Harmonies

## Analogous

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



80.9547, 86.6152, 106.5016



83.1775, 86.6152, 106.9422



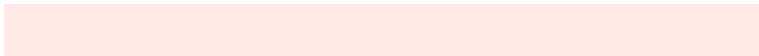
85.2076, 86.6152, 103.8852

# Triad

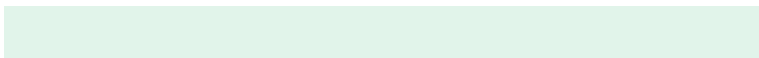
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1775, 86.6152, 106.9422



85.6042, 86.6152, 86.3818



78.3065, 86.6152, 90.4171

# Complementary

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



83.1775, 86.6152, 106.9422



90.7319, 96.2506, 92.3951

# Split Complementary

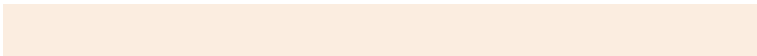
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5085, 86.6152, 85.3406



83.1775, 86.6152, 106.9422



83.7110, 86.6152, 83.0848

# Square

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



83.1775, 86.6152, 106.9422



86.6255, 86.6152, 91.8974



81.4786, 86.6152, 82.7125



78.1695, 86.6152, 96.7629



# Rectangle

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



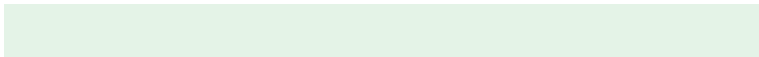
83.1775, 86.6152, 106.9422



86.1679, 86.6152, 100.3529



81.4786, 86.6152, 82.7125



78.5983, 86.6152, 88.5132

# Sweetspot

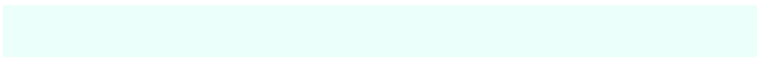
The Sweet Spot groups the original color and five complimentary colors.



83.1798, 86.6188, 106.9428



91.9110, 96.4705, 108.3842



87.3818, 96.1266, 104.9407



19.7056, 20.6857, 23.2041



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.



83.1798, 86.6188, 106.9428



81.5262, 84.7468, 106.6686



83.9214, 85.2804, 106.6454



17.2974, 17.9664, 22.8061



10.1338, 5.1772, 49.8998



1.0592, 0.6491, 4.8827



# Inverse Universe

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



86.5298, 86.9102, 93.8803



85.3448, 85.0950, 91.7754



89.9418, 97.7194, 92.7202



18.1580, 18.0465, 19.4493



21.9033, 11.2506, 2.8751

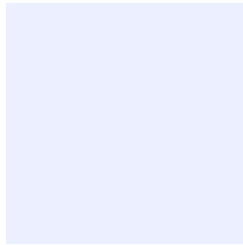


2.1692, 1.1101, 0.4727



# Previews

## White Background



This preview shows how the XYZ color 83.1775, 86.6152, 106.9422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

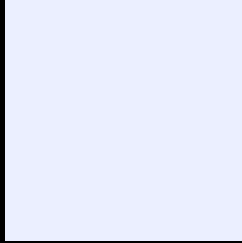
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.1775, 86.6152, 106.9422 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

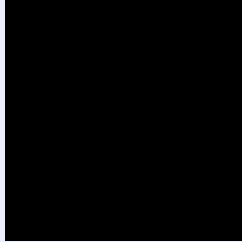
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 83.1775, 86.6152, 106.9422

## Background



This preview shows how black text looks on a background with the XYZ color 83.1775, 86.6152, 106.9422.



This preview shows how white text looks on a background with the XYZ color 83.1775, 86.6152,

106.9422.

# 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

83.1775, 86.6152, 106.9422

### Protanopia

84.0605, 86.6556, 106.0617

### Deuteranopia

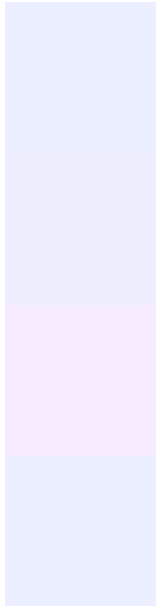
87.6969, 86.3805, 106.6587



## Tritanopia

83.5086, 86.7859, 106.9577

# Trichromacy



## Original Color

83.1775, 86.6152, 106.9422

## Protanomaly

83.7238, 86.4820, 106.0459

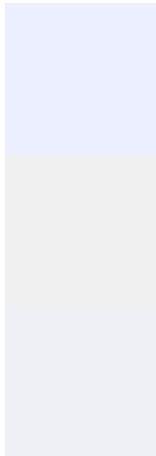
## Deuteranomaly

85.7644, 86.2295, 106.7314

## Tritanomaly

83.5086, 86.7859, 106.9577

# Monochromacy



## Original Color

83.1775, 86.6152, 106.9422

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.9014, 87.0899, 98.8269

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.1775, 86.6152, 106.9422 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(235, 239, 255) looks like.

```
.text, #text, p{  
    color:rgb(235, 239, 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(235, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 239, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 83.1775, 86.6152, 106.9422 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(235, 239, 255) }
```



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

```
.border{ border-color:rgb(235, 239, 255) }
```

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

Here you see how a box with a 4 pixel rgb(235, 239, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 239,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.1775, 86.6152, 106.9422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 239, 255) }
```

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

```
.background{ background-color: rgb(235,  
239, 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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