

Converting Colors

XYZ(83.9745, 87.4792,
106.2263)

Have a look what the booklet for
XYZ(83.9745, 87.4792, 106.2263)
contains.

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Color

**XYZ(83.9745, 87.4805,
106.2254)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF0FE
RGB	237, 240, 254
RGB Percent	93%, 94%, 100%
CMY	0.0706, 0.0588, 0.0039
CMYK	0.07, 0.06, 0.00, 0.00
HSL	229°, 89%, 96%
HSV	229°, 7%, 100%
XYZ	83.9745, 87.4805, 106.2254
YIQ	240.6990, -6.2820, 3.7180

Conversions

Conversions Part 2

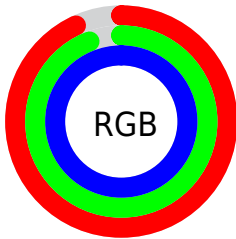
Format	Color
R _Y B	237, 240, 254
Decimal	15593726
CIE Lab	94.94, 1.58, -7.08
CIE LCh	95, 7.255, 282.579
Yxy	87.4805, 0.3024, 0.3150
Android (android.graphics.Color)	4293783806 (0xFFEDF0FE)
YUV	240.6990, 6.5574, -3.2440
Hunter-Lab	93.5310, -3.4175, -1.8654

Details

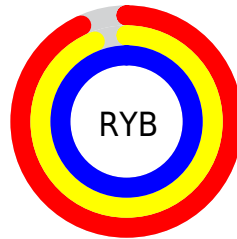
The XYZ color **83.9745, 87.4805, 106.2254** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.6564, 96.1786, 93.9083**, and the grayscale version is **83.3283, 87.6679, 95.4703**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2746, 48.1360, 59.6756** is the 20% darker color. If you saturate the color by 10%, you get **70.2823, 71.8058, 103.9229**, and if you desaturate by 10%, it is **94.8896, 99.9359, 108.0556**.

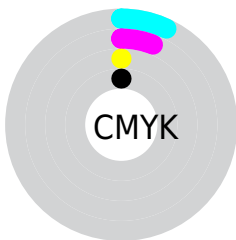
Distribution



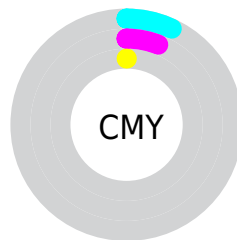
- Red (93%)
- Green (94%)
- Blue (100%)



- Red (93%)
- Yellow (94%)
- Blue (100%)



- Cyan (7%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.9745, 87.4805, 106.2254 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 83.9745, 87.4805, 106.2254 by changing the saturation by 10% instead.

83.9745, 87.4805,
106.2254

83.9745, 87.4805,
106.2254

496.7635,
519.8005, 601.3891

63.3140, 65.8929,
80.8640

137.8609,
143.8337, 171.8125

46.3549, 48.1855,
59.8992

171.8176,
179.3681, 212.8753

32.7318, 33.9738,
42.9126

210.9371,
220.3202, 260.0090

22.0793, 22.8735,
29.4857

255.5847,
267.0744, 313.6320

14.0321, 14.5001,
19.1998

306.1258,
320.0152, 374.1630

8.2249, 8.4693,
11.6365

362.9257,

4.2922, 4.3967,

379.5269, 442.0205

6.3771

426.3498,
445.9938, 517.6230

■ 1.8687, 1.8978,
3.0033

■ 0.5586, 0.5471,
1.0963

■ 83.9745, 87.4805,
106.2254

■ 83.9745, 87.4805,
106.2254

■ 70.2823, 71.8058,
103.9229

94.8896, 99.9359,
108.0556

■ 58.4240, 58.0916,
101.9008

■ 48.3231, 46.2633,
100.1501

■ 39.8946, 36.2374,
98.6591

■ 33.0465, 27.9236,
97.4153

■ 27.6776, 21.2240,
96.4051

■ 23.6744, 16.0302,
95.6136

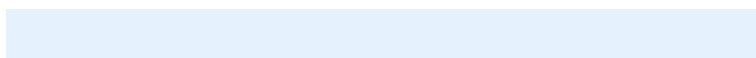
■ 20.9063, 12.2197,
95.0240

■ 19.2138, 9.6481,
94.6168

Harmonies

Analogous

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



82.0198, 87.4805, 105.9708



83.9745, 87.4805, 106.2254



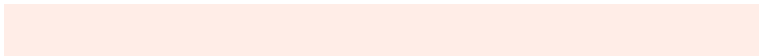
85.7344, 87.4805, 103.4566

Triad

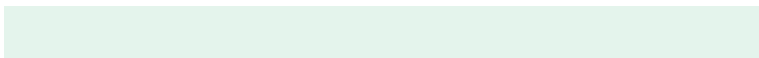
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9745, 87.4805, 106.2254



85.9653, 87.4805, 88.1050



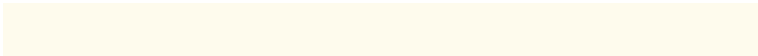
79.5889, 87.4805, 92.0434

Complementary

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



83.9745, 87.4805, 106.2254



90.6564, 96.1786, 93.9083

Split Complementary

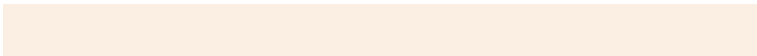
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.6133, 87.4805, 87.4919



83.9745, 87.4805, 106.2254



84.2857, 87.4805, 85.2804

Square

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



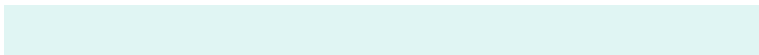
83.9745, 87.4805, 106.2254



86.8960, 87.4805, 92.9104



82.3261, 87.4805, 85.0605



79.5086, 87.4805, 97.6313

Rectangle

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



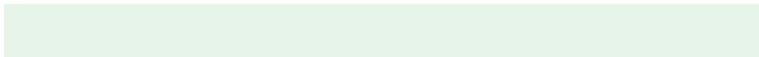
83.9745, 87.4805, 106.2254



86.5521, 87.4805, 100.3301



82.3261, 87.4805, 85.0605



79.8335, 87.4805, 90.3471

Sweetspot

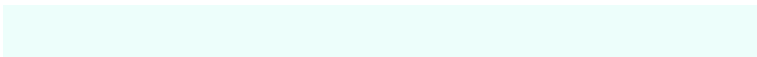
The Sweet Spot groups the original color and five complimentary colors.



83.9770, 87.4842, 106.2273



91.8736, 96.3957, 108.3717



87.7624, 95.8472, 105.0465



19.6980, 20.6705, 23.2015



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.



83.9770, 87.4842, 106.2273



82.8132, 86.0825, 106.8586



84.9246, 86.6707, 106.0204



17.2625, 17.8966, 22.7945



9.9977, 4.9049, 49.8544



1.0410, 0.6128, 4.8767

Inverse Universe

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



86.8873, 87.9321, 94.8356



86.2967, 86.6330, 93.2202



89.6596, 97.0688, 94.1327



18.1404, 18.0395, 19.3564



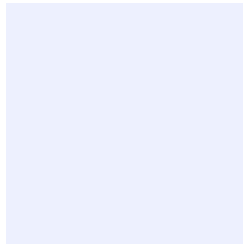
21.8346, 11.2231, 2.5133



2.1601, 1.1064, 0.4244

Previews

White Background



This preview shows how the XYZ color 83.9745, 87.4805, 106.2254 looks on a white background.

Color Contrast Check

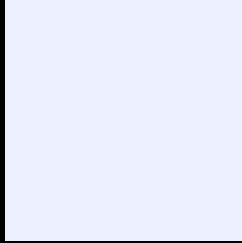
Large Text (above 18pt) WCAG AA × Fail

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 83.9745, 87.4805, 106.2254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

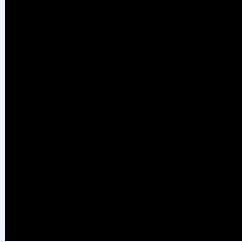
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.9745, 87.4805, 106.2254

Background



This preview shows how black text looks on a background with the XYZ color 83.9745, 87.4805, 106.2254.



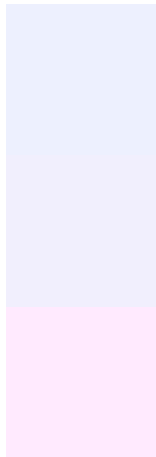
This preview shows how white text looks on a background with the XYZ color 83.9745, 87.4805,

106.2254.

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

83.9745, 87.4805, 106.2254

Protanopia

84.8718, 87.5256, 105.3494

Deuteranopia

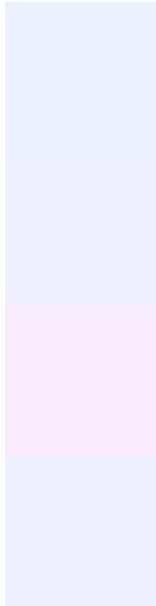
88.5522, 87.2614, 105.9419



Tritanopia

84.4700, 87.7173, 107.0868

Trichromacy



Original Color

83.9745, 87.4805, 106.2254

Protanomaly

84.5313, 87.3501, 105.3335

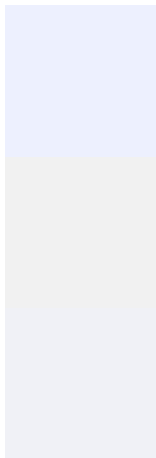
Deuteranomaly

86.5962, 87.1031, 106.0144

Tritanomaly

84.4700, 87.7173, 107.0868

Monochromacy



Original Color

83.9745, 87.4805, 106.2254

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

84.0250, 88.0897, 99.7632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9745, 87.4805, 106.2254 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(237, 240, 254) looks like.

```
.text, #text, p{  
    color:rgb(237, 240, 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(237, 240, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 240, 254) }
```

Border

The CSS property to change the border of an element to XYZ 83.9745, 87.4805, 106.2254 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(237, 240, 254) }
```


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

```
.border{ border-color:rgb(237, 240, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 240, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 240, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 240, 254);  
box-shadow:4px 4px 4px 4px rgb(237, 240,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9745, 87.4805, 106.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 240, 254) }
```

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

```
.background{ background-color: rgb(237,  
240, 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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