

Converting Colors

XYZ(88.0488, 88.5406,
131.0310)

Have a look what the booklet for
XYZ(88.0488, 88.5406, 131.0310)
contains.

XYZ(83.5086, 86.7859, 106.9577)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(83.5086, 86.7859,
106.9577)**

Conversions

Conversions Part 1

Format	Color
Hex	ECEFFF
RGB	236, 239, 255
RGB Percent	93%, 94%, 100%
CMY	0.0745, 0.0627, 0.0000
CMYK	0.07, 0.06, 0.00, 0.00
HSL	231°, 100%, 96%
HSV	231°, 7%, 100%
XYZ	83.5086, 86.7859, 106.9577
YIQ	239.9270, -6.9240, 4.3400

Conversions

Conversions Part 2

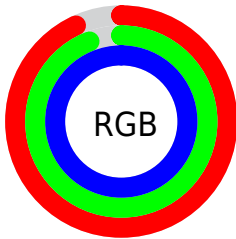
Format	Color
R _Y B	236, 239, 255
Decimal	15527935
CIE Lab	94.65, 1.96, -8.04
CIE LCh	95, 8.278, 283.696
Yxy	86.7859, 0.3012, 0.3130
Android (android.graphics.Color)	4293718015 (0xFFECEFFF)
YUV	239.9270, 7.4310, -3.4440
Hunter-Lab	93.1590, -3.0190, -2.8608

Details

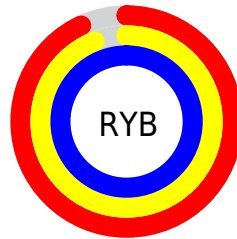
The XYZ color **83.5086, 86.7859, 106.9577** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.1899, 96.9349, 93.2625**, and the grayscale version is **82.7170, 87.0247, 94.7699**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9489, 47.6475, 60.2012** is the 20% darker color. If you saturate the color by 10%, you get **69.7230, 70.8984, 104.6177**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

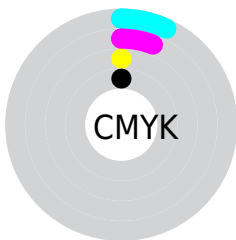
Distribution



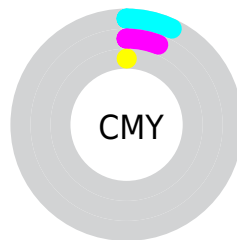
- Red (93%)
- Green (94%)
- Blue (100%)



- 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 83.5086, 86.7859, 106.9577 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 83.5086, 86.7859, 106.9577 by changing the saturation by 10% instead.

83.5086, 86.7859,
106.9577

83.5086, 86.7859,
106.9577

495.2383,
517.5191, 603.7129

62.9281, 65.3180,
81.4746

137.2124,
142.8657, 172.8212

46.0415, 47.7190,
60.3993

171.0664,
178.2464, 214.0388

32.4833, 33.6044,
43.3131

210.0757,
219.0335, 261.3382

21.8883, 22.5899,
29.7977

254.6056,
265.6114, 315.1381

13.8910, 14.2910,
19.4343

305.0215,
318.3646, 375.8570

8.1261, 8.3233,
11.8045

361.6886,

4.2282, 4.3025,

377.6773, 443.9134

6.4898

424.9725,
443.9340, 519.7259

■ 1.8320, 1.8442,
3.0716

■ 0.5369, 0.5145,
1.1313

■ 83.5086, 86.7859,
106.9577

■ 83.5086, 86.7859,
106.9577

■ 69.7230, 70.8984,
104.6177

95.0500, 100.0000,
108.9000

■ 57.8134, 57.0452,
102.5715

■ 47.7000, 45.1467,
100.8079

■ 39.2946, 35.1139,
99.3144

■ 32.5012, 26.8509,
98.0775

■ 27.2143, 20.2528,
97.0826

■ 23.3157, 15.2038,
96.3135

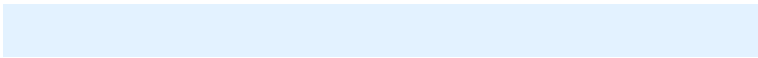
■ 20.6682, 11.5720,
95.7520

■ 19.1001, 9.1994,
95.3767

Harmonies

Analogous

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



81.2874, 86.7859, 106.8004



83.5086, 86.7859, 106.9577



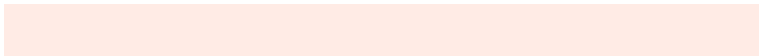
85.4905, 86.7859, 103.6712

Triad

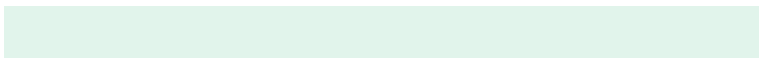
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5086, 86.7859, 106.9577



85.6321, 86.7859, 86.2490



78.4331, 86.7859, 91.0836

Complementary

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



83.5086, 86.7859, 106.9577



91.1899, 96.9349, 93.2625

Split Complementary

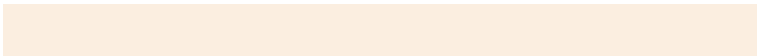
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5555, 86.7859, 85.8771



83.5086, 86.7859, 106.9577



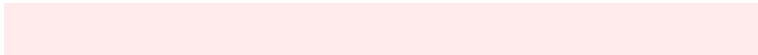
83.6991, 86.7859, 83.1732

Square

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



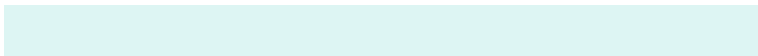
83.5086, 86.7859, 106.9577



86.7313, 86.7859, 91.6122



81.4745, 86.7859, 83.0402



78.3842, 86.7859, 97.4378

Rectangle

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



83.5086, 86.7859, 106.9577



86.3982, 86.7859, 100.0517



81.4745, 86.7859, 83.0402



78.6964, 86.7859, 89.1481

Sweetspot

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



83.5109, 86.7895, 106.9583



91.8440, 96.3365, 108.3618



87.8971, 96.3710, 105.9261



19.6920, 20.6584, 23.1995



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.



83.5109, 86.7895, 106.9583



81.2478, 84.1900, 106.5758



84.7790, 86.1486, 106.7678



17.2349, 17.8413, 22.7853



9.9018, 4.7131, 49.8224



1.0277, 0.5861, 4.8722

Inverse Universe

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



86.8169, 87.4844, 93.9761



85.2043, 85.0388, 91.0354



89.8491, 97.6549, 93.4722



18.1264, 18.0339, 19.2830



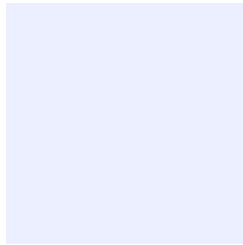
21.7862, 11.2038, 2.2584



2.1533, 1.1037, 0.3890

Previews

White Background



This preview shows how the XYZ color 83.5086, 86.7859, 106.9577 looks on a white background.

Color Contrast Check

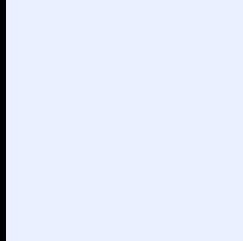
Large Text (above 18pt) WCAG AA × Fail

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 83.5086, 86.7859, 106.9577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

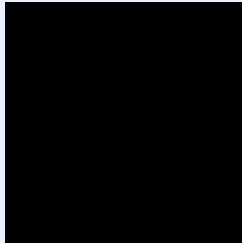
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.5086, 86.7859, 106.9577

Background



This preview shows how black text looks on a background with the XYZ color 83.5086, 86.7859, 106.9577.



This preview shows how white text looks on a background with the XYZ color 83.5086, 86.7859,

106.9577.

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

83.5086, 86.7859, 106.9577

Protanopia

84.0605, 86.6556, 106.0617

Deuteranopia

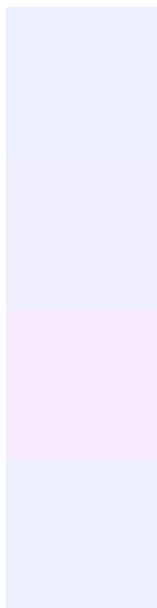
88.0620, 86.5687, 106.6758



Tritanopia

83.8416, 86.9575, 106.9733

Trichromacy



Original Color

83.5086, 86.7859, 106.9577

Protanomaly

83.7238, 86.4820, 106.0459

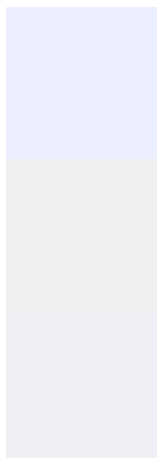
Deuteranomaly

86.1161, 86.4108, 106.7479

Tritanomaly

83.8416, 86.9575, 106.9733

Monochromacy



Original Color

83.5086, 86.7859, 106.9577

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.2381, 87.2635, 98.8426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5086, 86.7859, 106.9577 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(236, 239, 255) looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 239, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.5086, 86.7859, 106.9577 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(236, 239, 255) }
```


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

```
.border{ border-color:rgb(236, 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(236, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 239,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5086, 86.7859, 106.9577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 239, 255) }
```

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

```
.background{ background-color: rgb(236,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor