

Converting Colors

XYZ(83.9978, 89.4703,
107.4501)

Have a look what the booklet for
XYZ(83.9978, 89.4703, 107.4501)
contains.

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Color

**XYZ(84.3067, 89.8485,
107.5068)**

Conversions

Conversions Part 1

Format	Color
Hex	E9F5FF
RGB	233, 245, 255
RGB Percent	91%, 96%, 100%
CMY	0.0863, 0.0392, 0.0000
CMYK	0.09, 0.04, 0.00, 0.00
HSL	207°, 100%, 96%
HSV	207°, 9%, 100%
XYZ	84.3067, 89.8485, 107.5068
YIQ	242.5520, -10.3620, 0.5660

Conversions

Conversions Part 2

Format	Color
R _Y B	233, 241, 255
Decimal	15332863
CIE Lab	95.93, -2.06, -6.16
CIE LCh	96, 6.501, 251.483
Yxy	89.8485, 0.2993, 0.3190
Android (android.graphics.Color)	4293522943 (0xFFE9F5FF)
YUV	242.5520, 6.1369, -8.3771
Hunter-Lab	94.7884, -7.1184, -0.8934

Details

The XYZ color **84.3067, 89.8485, 107.5068** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.9978, 91.2424, 90.0659**, and the grayscale version is **84.7963, 89.2123, 97.1522**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5221, 49.8195, 60.5902** is the 20% darker color. If you saturate the color by 10%, you get **73.1806, 79.0738, 106.0135**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



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



- Red (91%)
- Yellow (95%)
- 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 84.3067, 89.8485, 107.5068 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 84.3067, 89.8485, 107.5068 by changing the saturation by 10% instead.

84.3067, 89.8485,
107.5068

84.3067, 89.8485,
107.5068

497.8494,
527.5379, 605.4524

63.5892, 67.8550,
81.9327

138.3232,
147.1279, 173.5771

46.5785, 49.7798,
60.7746

172.3529,
183.1827, 214.9105

32.9091, 35.2384,
43.6139

211.5507,
224.6932, 262.3339

22.2157, 23.8466,
30.0321

256.2821,
272.0441, 316.2661

14.1330, 15.2199,
19.6107

306.9123,
325.6196, 377.1254

8.2955, 8.9738,
11.9311

363.8067,

4.3380, 4.7241,

385.8041, 445.3306

6.5748

427.3306,
452.9821, 521.3000

■ 1.8951, 2.0863,
3.1233

■ 0.5740, 0.6569,
1.1579

■ 84.3067, 89.8485,
107.5068

■ 84.3067, 89.8485,
107.5068

■ 73.1806, 79.0738,
106.0135

95.0500, 100.0000,
108.9000

■ 63.4192, 69.3200,
104.6453

■ 54.9658, 60.5544,
103.3989

■ 47.7565, 52.7376,
102.2701

■ 41.7217, 45.8275,
101.2544

■ 36.7844, 39.7776,
100.3468

■ 32.8572, 34.5358,
99.5421

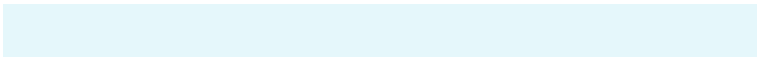
■ 29.8372, 30.0422,
98.8339

■ 27.5798, 26.2145,
98.2140

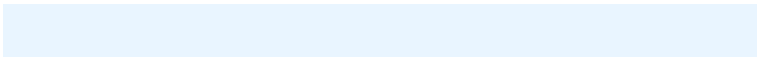
Harmonies

Analogous

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



82.8383, 89.8485, 104.5256



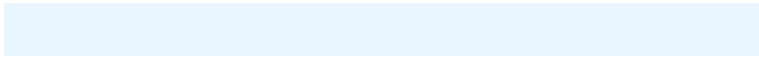
84.3067, 89.8485, 107.5068



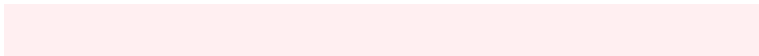
86.0874, 89.8485, 107.8414

Triad

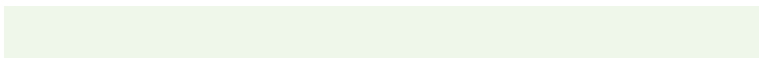
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3067, 89.8485, 107.5068



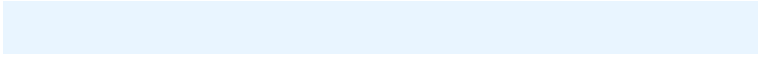
88.8261, 89.8485, 95.8747



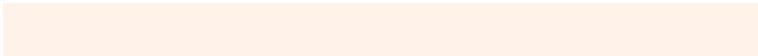
83.1320, 89.8485, 90.6088

Complementary

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



84.3067, 89.8485, 107.5068



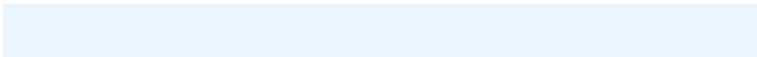
87.9978, 91.2424, 90.0659

Split Complementary

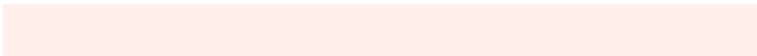
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7129, 89.8485, 88.4577



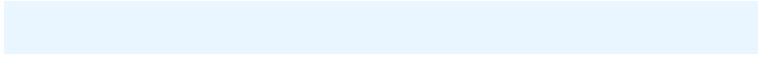
84.3067, 89.8485, 107.5068



88.0106, 89.8485, 91.4261

Square

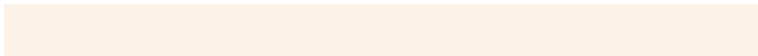
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



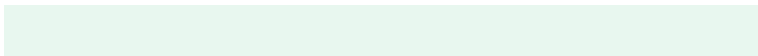
84.3067, 89.8485, 107.5068



88.7136, 89.8485, 101.0031



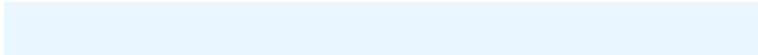
86.4993, 89.8485, 88.7515



82.1667, 89.8485, 94.7235

Rectangle

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



84.3067, 89.8485, 107.5068



87.2138, 89.8485, 106.5052



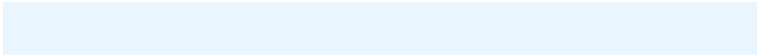
86.4993, 89.8485, 88.7515



83.6082, 89.8485, 89.6387

Sweetspot

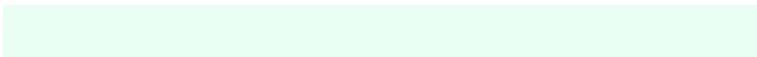
The Sweet Spot groups the original color and five complimentary colors.



84.3090, 89.8522, 107.5074



91.1925, 96.3803, 108.4046



85.5277, 95.3091, 98.6045



19.3030, 20.4258, 23.1751



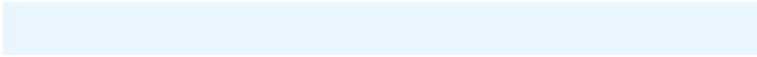
0.0000, 0.0000, 0.0000



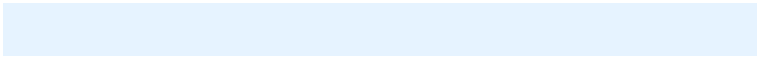
20.3446, 21.4041, 23.3091

Same Dimension

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



84.3090, 89.8522, 107.5074



82.6977, 88.3099, 107.2946



81.1068, 83.4477, 106.4400



17.8245, 19.0206, 22.9818



14.4180, 13.7456, 51.3278



1.5131, 1.5568, 5.0340

Inverse Universe

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



86.8618, 86.1319, 98.4377



85.6382, 84.0719, 96.8364



91.3584, 97.9635, 91.1861



18.4241, 18.1529, 20.8502



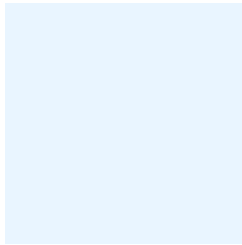
24.0657, 12.1156, 14.2625



2.3983, 1.2017, 1.6791

Previews

White Background



This preview shows how the XYZ color 84.3067, 89.8485, 107.5068 looks on a white background.

Color Contrast Check

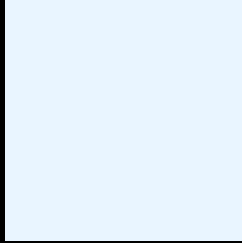
Large Text (above 18pt) WCAG AA × Fail

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 84.3067, 89.8485, 107.5068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

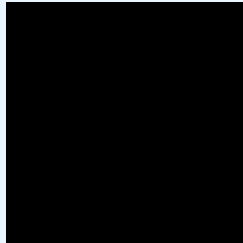
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

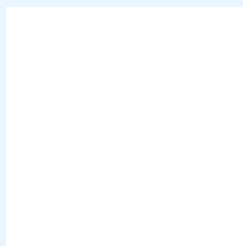
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.3067, 89.8485, 107.5068

Background



This preview shows how black text looks on a background with the XYZ color 84.3067, 89.8485, 107.5068.



This preview shows how white text looks on a background with the XYZ color 84.3067, 89.8485,

107.5068.

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

84.3067, 89.8485, 107.5068

Protanopia

86.7900, 89.8292, 105.6930

Deuteranopia

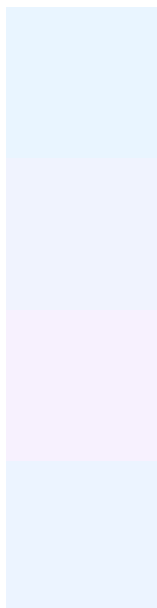
89.5442, 89.5009, 105.4844



Tritanopia

85.3605, 89.4983, 107.3837

Trichromacy



Original Color

84.3067, 89.8485, 107.5068

Protanomaly

85.8752, 89.7822, 106.5695

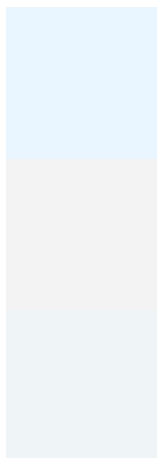
Deuteranomaly

87.7025, 89.8405, 106.4845

Tritanomaly

84.9928, 89.7542, 107.4524

Monochromacy



Original Color

84.3067, 89.8485, 107.5068

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.7358, 89.7675, 100.8565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.3067, 89.8485, 107.5068 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(233, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.3067, 89.8485, 107.5068 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(233, 245, 255) }
```


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

```
.border{ border-color:rgb(233, 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(233, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.3067, 89.8485, 107.5068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 245, 255) }
```

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

```
.background{ background-color: rgb(233,  
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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