

Converting Colors

XYZ(85.1531, 89.8761,
112.0119)

Have a look what the booklet for
XYZ(85.1531, 89.8761, 112.0119)
contains.

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Color

**XYZ(84.3324, 89.4138,
107.4215)**

Conversions

Conversions Part 1

Format	Color
Hex	EAF4FF
RGB	234, 244, 255
RGB Percent	92%, 96%, 100%
CMY	0.0823, 0.0431, 0.0000
CMYK	0.08, 0.04, 0.00, 0.00
HSL	211°, 100%, 96%
HSV	211°, 8%, 100%
XYZ	84.3324, 89.4138, 107.4215
YIQ	242.2640, -9.4910, 1.3010

Conversions

Conversions Part 2

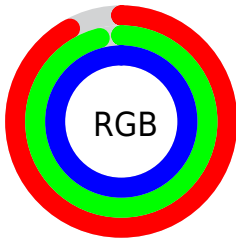
Format	Color
R _Y B	234, 241, 255
Decimal	15398143
CIE Lab	95.75, -1.24, -6.42
CIE LCh	96, 6.541, 259.105
Yxy	89.4138, 0.2999, 0.3180
Android (android.graphics.Color)	4293588223 (0xFFEAF4FF)
YUV	242.2640, 6.2788, -7.2475
Hunter-Lab	94.5589, -6.2827, -1.1639

Details

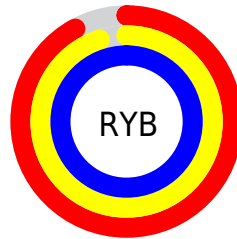
The XYZ color **84.3324, 89.4138, 107.4215** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.7430, 92.5035, 91.0212**, and the grayscale version is **84.5664, 88.9705, 96.8888**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5364, 49.5086, 60.5295** is the 20% darker color. If you saturate the color by 10%, you get **72.6829, 77.6609, 105.7670**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

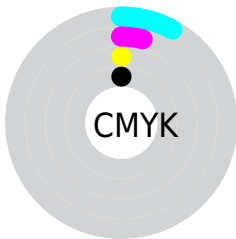
Distribution



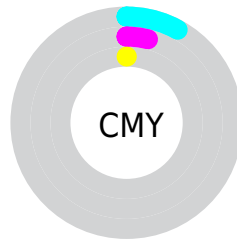
- Red (92%)
- Green (96%)
- Blue (100%)



- Red (92%)
- Yellow (95%)
- Blue (100%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.3324, 89.4138, 107.4215 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 84.3324, 89.4138, 107.4215 by changing the saturation by 10% instead.

84.3324, 89.4138,
107.4215

84.3324, 89.4138,
107.4215

497.9334,
526.1221, 605.1823

63.6105, 67.4946,
81.8615

138.3589,
146.5239, 173.4597

46.5958, 49.4866,
60.7162

172.3943,
182.4835, 214.7751

32.9228, 35.0057,
43.5671

211.5982,
223.8920, 262.1793

22.2263, 23.6672,
29.9957

256.3360,
271.1338, 316.0909

14.1408, 15.0870,
19.5833

306.9731,
324.5934, 376.9285

8.3010, 8.8804,
11.9114

363.8748,

4.3416, 4.6633,

384.6550, 445.1106

6.5616

427.4064,
451.7031, 521.0556

■ 1.8971, 2.0511,
3.1152

■ 0.5752, 0.6369,
1.1538

■ 84.3324, 89.4138,
107.4215

■ 84.3324, 89.4138,
107.4215

■ 72.6829, 77.6609,
105.7670

95.0500, 100.0000,
108.9000

■ 62.4697, 67.0690,
104.2608

■ 53.6338, 57.6006,
102.8990

■ 46.1093, 49.2122,
101.6764

■ 39.8245, 41.8566,
100.5879

■ 34.7001, 35.4825,
99.6277

■ 30.6463, 30.0327,
98.7894

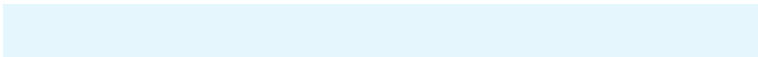
■ 27.5583, 25.4416,
98.0660

■ 25.2938, 21.6239,
97.4485

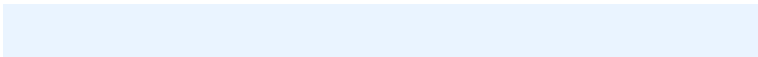
Harmonies

Analogous

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



82.7386, 89.4138, 105.0457



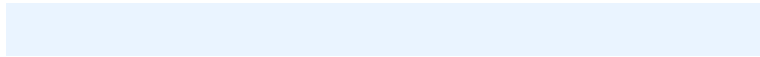
84.3324, 89.4138, 107.4215



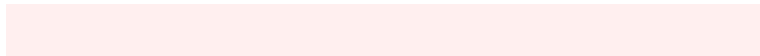
86.1234, 89.4138, 107.0297

Triad

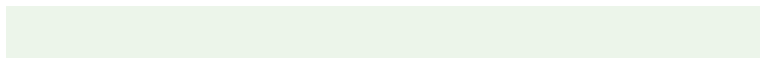
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3324, 89.4138, 107.4215



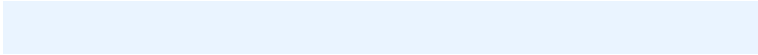
88.2988, 89.4138, 94.1470



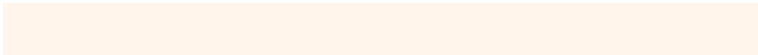
82.3948, 89.4138, 91.0081

Complementary

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



84.3324, 89.4138, 107.4215



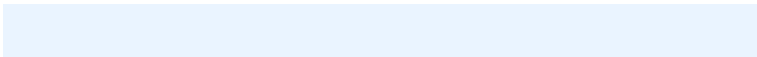
88.7430, 92.5035, 91.0212

Split Complementary

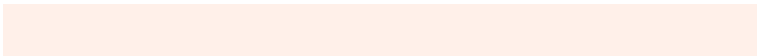
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8570, 89.4138, 88.2843



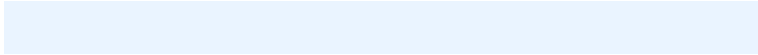
84.3324, 89.4138, 107.4215



87.2720, 89.4138, 90.0519

Square

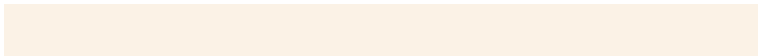
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.3324, 89.4138, 107.4215



88.4305, 89.4138, 99.2427



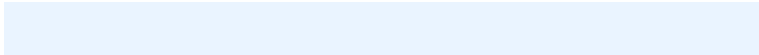
85.6412, 89.4138, 87.9406



81.6304, 89.4138, 95.4942

Rectangle

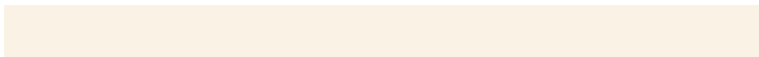
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.3324, 89.4138, 107.4215



87.1877, 89.4138, 105.2554



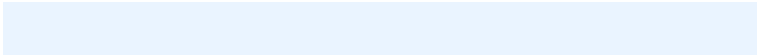
85.6412, 89.4138, 87.9406



82.8200, 89.4138, 89.8629

Sweetspot

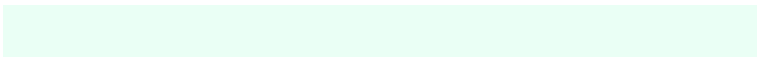
The Sweet Spot groups the original color and five complimentary colors.



84.3347, 89.4175, 107.4221



92.3525, 97.3535, 108.5314



86.1511, 95.5963, 100.1783



19.7955, 20.8655, 23.2341



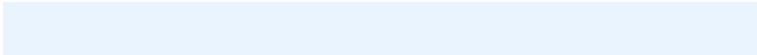
0.0000, 0.0000, 0.0000



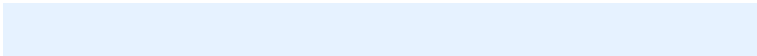
20.3446, 21.4041, 23.3091

Same Dimension

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



84.3347, 89.4175, 107.4221



82.1704, 87.2554, 107.1189



81.5209, 83.6190, 106.4512



17.7168, 18.8053, 22.9460



13.1821, 11.2738, 50.9159



1.3920, 1.3147, 4.9937

Inverse Universe

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



86.9934, 86.6389, 97.7302



85.3721, 83.9654, 95.4349



91.7230, 98.6543, 92.0514



18.3697, 18.1312, 20.5641



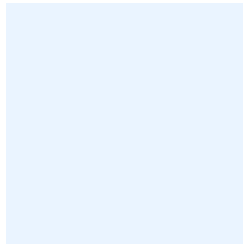
23.4419, 11.8661, 10.9775



2.3372, 1.1773, 1.3573

Previews

White Background



This preview shows how the XYZ color 84.3324, 89.4138, 107.4215 looks on a white background.

Color Contrast Check

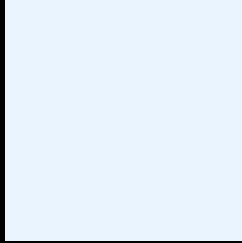
Large Text (above 18pt) WCAG AA × Fail

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 84.3324, 89.4138, 107.4215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

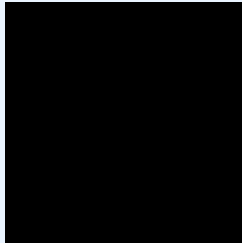
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

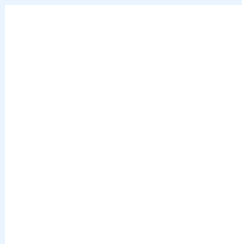
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.3324, 89.4138, 107.4215

Background



This preview shows how black text looks on a background with the XYZ color 84.3324, 89.4138, 107.4215.



This preview shows how white text looks on a background with the XYZ color 84.3324, 89.4138,

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

84.3324, 89.4138, 107.4215

Protanopia

86.4931, 89.2355, 105.5940

Deuteranopia

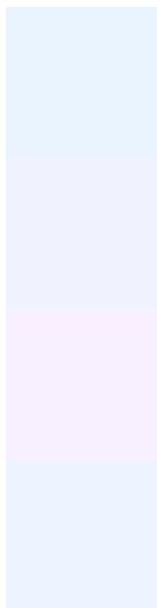
89.5442, 89.5009, 105.4844



Tritanopia

85.3605, 89.4983, 107.3837

Trichromacy



Original Color

84.3324, 89.4138, 107.4215

Protanomaly

85.5767, 89.1853, 106.4700

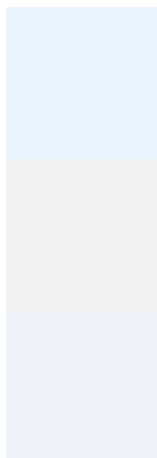
Deuteranomaly

87.4073, 89.2501, 106.3861

Tritanomaly

85.0256, 89.3257, 107.3680

Monochromacy



Original Color

84.3324, 89.4138, 107.4215

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.4357, 89.1673, 100.7565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.3324, 89.4138, 107.4215 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(234, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 244, 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(234, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.3324, 89.4138, 107.4215 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(234, 244, 255) }
```


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

```
.border{ border-color:rgb(234, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.3324, 89.4138, 107.4215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 244, 255) }
```

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

```
.background{ background-color: rgb(234,  
244, 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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