

Converting Colors

XYZ(85.2132, 90.4666,
120.9338)

Have a look what the booklet for
XYZ(85.2132, 90.4666, 120.9338)
contains.

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Color

**XYZ(82.6843, 89.4624,
107.5178)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F6FF
RGB	227, 246, 255
RGB Percent	89%, 96%, 100%
CMY	0.1098, 0.0353, 0.0000
CMYK	0.11, 0.04, 0.00, 0.00
HSL	199°, 100%, 95%
HSV	199°, 11%, 100%
XYZ	82.6843, 89.4624, 107.5178
YIQ	241.3450, -14.2130, -1.2290

Conversions

Conversions Part 2

Format	Color
R _Y B	227, 238, 255
Decimal	14939903
CIE Lab	95.77, -4.47, -6.45
CIE LCh	96, 7.848, 235.244
Yxy	89.4624, 0.2957, 0.3199
Android (android.graphics.Color)	4293129983 (0xFFE3F6FF)
YUV	241.3450, 6.7319, -12.5806
Hunter-Lab	94.5846, -9.4812, -1.1880

Details

The XYZ color **82.6843, 89.4624, 107.5178** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.1000, 86.7952, 84.9425**, and the grayscale version is **83.8395, 88.2056, 96.0560**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4011, 49.5621, 60.5996** is the 20% darker color. If you saturate the color by 10%, you get **72.7928, 80.7476, 106.3570**, and if you desaturate by 10%, it is **93.8815, 99.0184, 108.7721**.

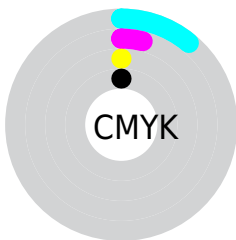
Distribution



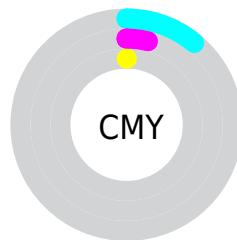
- Red (89%)
- Green (96%)
- Blue (100%)



- Red (89%)
- Yellow (93%)
- Blue (100%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.6843, 89.4624, 107.5178 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 82.6843, 89.4624, 107.5178 by changing the saturation by 10% instead.

82.6843, 89.4624,
107.5178

82.6843, 89.4624,
107.5178

492.5336,
526.2805, 605.4872

62.2458, 67.5348,
81.9419

136.0640,
146.5914, 173.5923

45.4877, 49.5194,
60.7821

169.7360,
182.5617, 214.9279

32.0446, 35.0317,
43.6199

208.5497,
223.9816, 262.3539

21.5513, 23.6873,
30.0368

252.8707,
271.2356, 316.2886

13.6423, 15.1018,
19.6142

303.0642,
324.7082, 377.1508

7.9524, 8.8909,
11.9337

359.4956,

4.1160, 4.6701,

384.7835, 445.3590

6.5765

422.5303,
451.8462, 521.3316

■ 1.7680, 2.0550,
3.1243

■ 0.4983, 0.6391,
1.1585

■ 82.6843, 89.4624,
107.5178

■ 82.6843, 89.4624,
107.5178

■ 72.7928, 80.7476,
106.3570

■ 93.8815, 99.0184,
108.7721

■ 64.1464, 72.8333,
105.2851

■ 95.0500, 100.0000,
108.9000

■ 56.6901, 65.6914,
104.2996

■ 50.3616, 59.2878,
103.3971

■ 45.0926, 53.5849,
102.5740

■ 40.8069, 48.5414,
101.8264

■ 37.4173, 44.1098,
101.1497

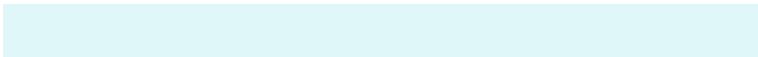
■ 34.8193, 40.2339,
100.5385

■ 33.0086, 37.1371,
100.0362

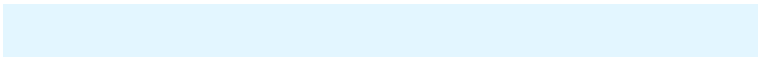
Harmonies

Analogous

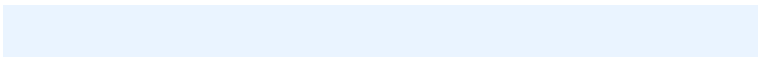
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3278, 89.4624, 102.5734



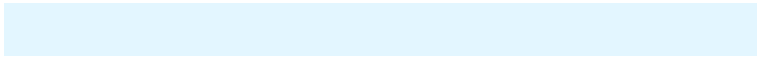
82.6843, 89.4624, 107.5178



84.6873, 89.4624, 109.7571

Triad

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



82.6843, 89.4624, 107.5178



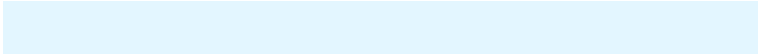
89.2401, 89.4624, 98.3994



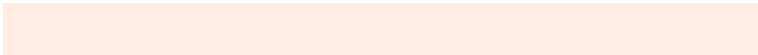
83.2714, 89.4624, 87.0366

Complementary

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



82.6843, 89.4624, 107.5178



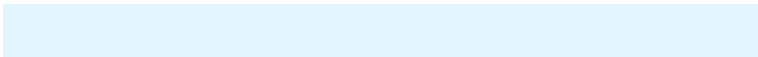
85.1000, 86.7952, 84.9425

Split Complementary

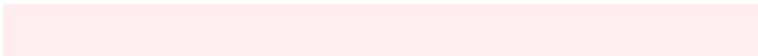
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.3763, 89.4624, 86.0242



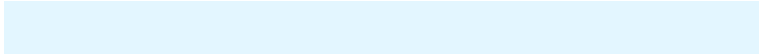
82.6843, 89.4624, 107.5178



88.8456, 89.4624, 92.4215

Square

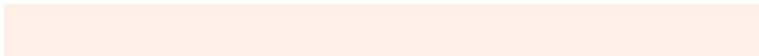
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



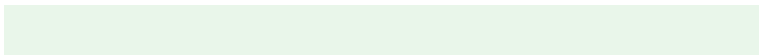
82.6843, 89.4624, 107.5178



88.4913, 89.4624, 104.3526



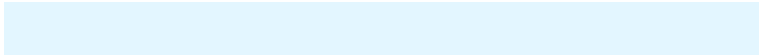
87.4224, 89.4624, 87.9552



81.6627, 89.4624, 90.7811

Rectangle

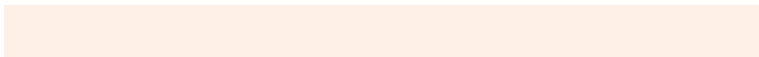
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6843, 89.4624, 107.5178



86.1286, 89.4624, 109.3486



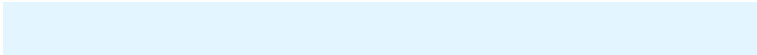
87.4224, 89.4624, 87.9552



83.9434, 89.4624, 86.3724

Sweetspot

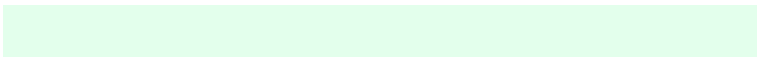
The Sweet Spot groups the original color and five complimentary colors.



82.6866, 89.4660, 107.5184



91.5123, 97.0198, 108.5112



82.5604, 93.8997, 93.0295



19.3894, 20.5985, 23.2039



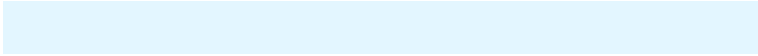
0.0000, 0.0000, 0.0000



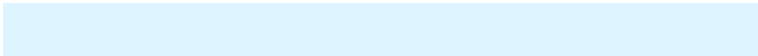
20.3446, 21.4041, 23.3091

Same Dimension

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



82.6866, 89.4660, 107.5184



80.5844, 87.6382, 107.2764



78.6239, 81.3406, 106.1641



18.0340, 19.4396, 23.0517



17.3887, 19.6870, 52.3181



1.7920, 2.1147, 5.1270

Inverse Universe

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



85.3451, 82.8535, 98.6872



83.7038, 79.9759, 96.8922



89.2497, 95.0948, 86.3258



18.5298, 18.1952, 21.4071



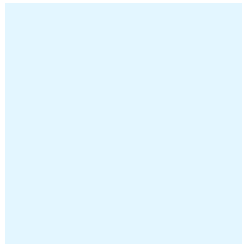
25.5652, 12.7154, 22.1587



2.5391, 1.2580, 2.4205

Previews

White Background



This preview shows how the XYZ color 82.6843, 89.4624, 107.5178 looks on a white background.

Color Contrast Check

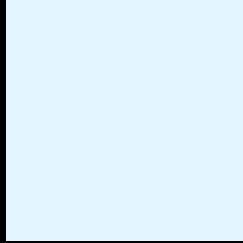
Large Text (above 18pt) WCAG AA × Fail

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 82.6843, 89.4624, 107.5178 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

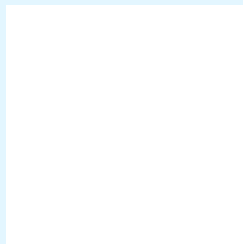
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.6843, 89.4624, 107.5178

Background



This preview shows how black text looks on a background with the XYZ color 82.6843, 89.4624, 107.5178.



This preview shows how white text looks on a background with the XYZ color 82.6843, 89.4624,

107.5178.

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

82.6843, 89.4624, 107.5178

Protanopia

86.3342, 89.1720, 104.7571

Deuteranopia

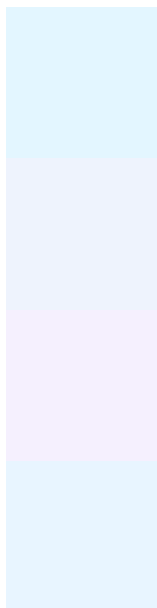
89.2538, 88.9202, 105.3876



Tritanopia

84.6616, 89.5835, 107.4369

Trichromacy



Original Color

82.6843, 89.4624, 107.5178

Protanomaly

85.0401, 89.3702, 105.6966

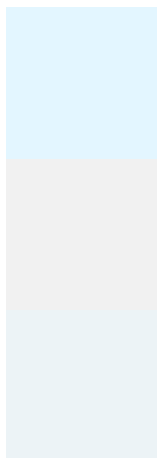
Deuteranomaly

86.7057, 88.8884, 106.3532

Tritanomaly

83.9811, 89.6806, 107.4916

Monochromacy



Original Color

82.6843, 89.4624, 107.5178

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.2772, 88.5879, 99.8988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.6843, 89.4624, 107.5178 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(227, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 246, 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(227, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.6843, 89.4624, 107.5178 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(227, 246, 255) }
```


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

```
.border{ border-color:rgb(227, 246, 255) }
```

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

Here you see how a box with a 4 pixel rgb(227, 246, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.6843, 89.4624, 107.5178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 246, 255) }
```

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

```
.background{ background-color: rgb(227,  
246, 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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