

Converting Colors

XYZ(89.8097, 86.9151,
146.4309)

Have a look what the booklet for
XYZ(89.8097, 86.9151, 146.4309)
contains.

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Color

**XYZ(82.3979, 84.0702,
106.4921)**

Conversions

Conversions Part 1

Format	Color
Hex	EDEAFF
RGB	237, 234, 255
RGB Percent	93%, 92%, 100%
CMY	0.0706, 0.0823, 0.0000
CMYK	0.07, 0.08, 0.00, 0.00
HSL	249°, 100%, 96%
HSV	249°, 8%, 100%
XYZ	82.3979, 84.0702, 106.4921
YIQ	237.2910, -4.9530, 7.1670

Conversions

Conversions Part 2

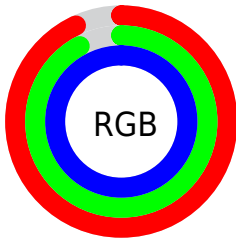
Format	Color
R _Y B	237, 234, 255
Decimal	15592191
CIE Lab	93.48, 4.85, -9.76
CIE LCh	93, 10.905, 296.436
Yxy	84.0702, 0.3019, 0.3080
Android (android.graphics.Color)	4293782271 (0xFFEDEAFF)
YUV	237.2910, 8.7305, -0.2552
Hunter-Lab	91.6898, -0.0465, -4.6788

Details

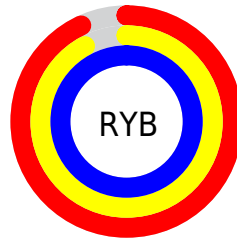
The XYZ color **82.3979, 84.0702, 106.4921** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.7582, 98.1569, 92.0088**, and the grayscale version is **80.6600, 84.8606, 92.4132**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1695, 45.7418, 59.8744** is the 20% darker color. If you saturate the color by 10%, you get **68.7953, 67.0472, 103.9232**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

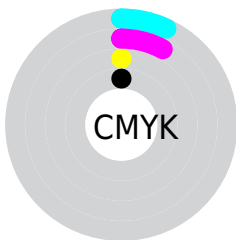
Distribution



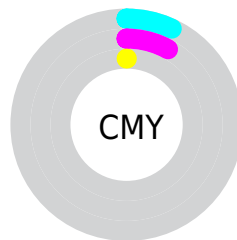
- Red (93%)
- Green (92%)
- Blue (100%)



- Red (93%)
- Yellow (92%)
- Blue (100%)



- Cyan (7%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.3979, 84.0702, 106.4921 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 82.3979, 84.0702, 106.4921 by changing the saturation by 10% instead.

82.3979, 84.0702,
106.4921

82.3979, 84.0702,
106.4921

491.5920,
508.5463, 602.2360

62.0088, 63.0734,
81.0863

135.6648,
139.0734, 172.1800

45.2954, 45.9006,
60.0813

169.2732,
173.8485, 213.2992

31.8925, 32.1674,
43.0584

208.0189,
213.9853, 260.4933

21.4345, 21.4894,
29.5992

252.2670,
259.8680, 314.1808

13.5563, 13.4822,
19.2851

302.3831,
311.8810, 374.7803

7.8923, 7.7614,
11.6976

358.7324,

4.0773, 3.9427,

370.4088, 442.7103

6.4181

421.6802,
435.8358, 518.3893

■ 1.7460, 1.6415,
3.0281

■ 0.4848, 0.3854,
1.1090

■ 82.3979, 84.0702,
106.4921

■ 82.3979, 84.0702,
106.4921

■ 68.7953, 67.0472,
103.9232

95.0500, 100.0000,
108.9000

■ 57.0487, 52.4637,
101.7275

■ 47.0791, 40.2106,
99.8878

■ 38.7989, 30.1664,
98.3855

■ 32.1133, 22.1985,
97.1999

■ 26.9176, 16.1600,
96.3082

■ 23.0946, 11.8845,
95.6845

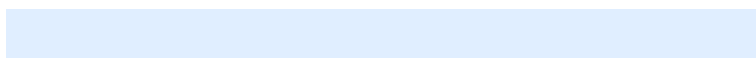
■ 20.5085, 9.1768,
95.2981

■ 18.9840, 7.7741,
95.1077

Harmonies

Analogous

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



79.5623, 84.0702, 108.3034



82.3979, 84.0702, 106.4921



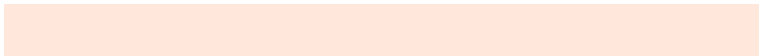
84.6117, 84.0702, 100.5928

Triad

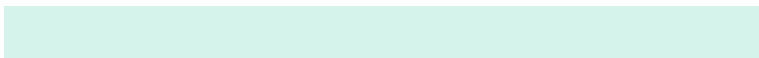
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3979, 84.0702, 106.4921



83.0083, 84.0702, 78.9443



74.5038, 84.0702, 90.5554

Complementary

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



82.3979, 84.0702, 106.4921



90.7582, 98.1569, 92.0088

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.



75.3785, 84.0702, 83.0438



82.3979, 84.0702, 106.4921



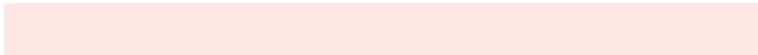
80.2511, 84.0702, 76.5990

Square

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



82.3979, 84.0702, 106.4921



84.9700, 84.0702, 84.6551



77.4653, 84.0702, 78.0541



75.0477, 84.0702, 98.7845

Rectangle

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



82.3979, 84.0702, 106.4921



85.4133, 84.0702, 95.3098



77.4653, 84.0702, 78.0541



74.6411, 84.0702, 87.8673

Sweetspot

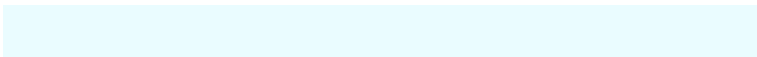
The Sweet Spot groups the original color and five complimentary colors.



82.4001, 84.0737, 106.4926



91.8543, 95.9693, 108.2904



86.8570, 94.4603, 108.2626



19.6941, 20.5836, 23.1850



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.



82.4001, 84.0737, 106.4926



79.8577, 80.8829, 106.0107



85.9388, 85.8979, 106.6582



17.2441, 17.5021, 22.7193



9.8914, 4.0097, 49.6872



1.0322, 0.4260, 4.8411

Inverse Universe

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



88.2356, 87.1373, 104.2670



86.8673, 84.5635, 103.3090



87.1283, 96.2857, 91.8389



18.6746, 18.2532, 22.1696



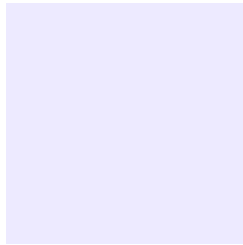
28.2454, 13.7875, 36.2724



2.7794, 1.3541, 3.6856

Previews

White Background



This preview shows how the XYZ color 82.3979, 84.0702, 106.4921 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 82.3979, 84.0702, 106.4921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

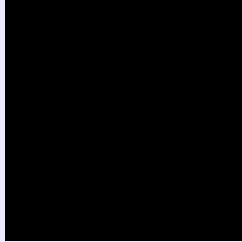
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.3979, 84.0702, 106.4921

Background



This preview shows how black text looks on a background with the XYZ color 82.3979, 84.0702, 106.4921.



This preview shows how white text looks on a background with the XYZ color 82.3979, 84.0702,

106.4921.

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

82.3979, 84.0702, 106.4921

Protanopia

82.0193, 84.2988, 106.5562

Deuteranopia

85.4137, 83.9534, 106.3106



Tritanopia

82.0775, 83.9420, 104.8050

Trichromacy



Original Color

82.3979, 84.0702, 106.4921

Protanomaly

82.3504, 84.4695, 106.5717

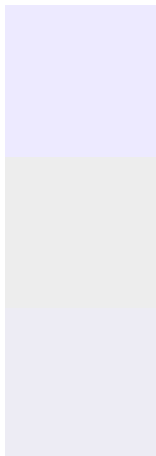
Deuteranomaly

84.2821, 83.7843, 106.3376

Tritanomaly

82.2373, 84.0059, 105.6463

Monochromacy



Original Color

82.3979, 84.0702, 106.4921

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

81.2496, 84.5271, 97.6210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.3979, 84.0702, 106.4921 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, 234, 255) looks like.

```
.text, #text, p{  
    color:rgb(237, 234, 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(237, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.3979, 84.0702, 106.4921 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, 234, 255) }
```


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

```
.border{ border-color:rgb(237, 234, 255) }
```

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

Here you see how a box with a 4 pixel rgb(237, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.3979, 84.0702, 106.4921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 234, 255) }
```

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

```
.background{ background-color: rgb(237,  
234, 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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