

Converting Colors

XYZ(89.1523, 84.9311,
135.9004)

Have a look what the booklet for
XYZ(89.1523, 84.9311, 135.9004)
contains.

| | |
|--|----|
| XYZ(83.3775, 82.4917, 106.1358) | 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(83.3775, 82.4917,
106.1358)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F4E5FF |
| RGB | 244, 229, 255 |
| RGB Percent | 96%, 90%, 100% |
| CMY | 0.0431, 0.1019, 0.0000 |
| CMYK | 0.04, 0.10, 0.00, 0.00 |
| HSL | 275°, 100%, 95% |
| HSV | 275°, 10%, 100% |
| XYZ | 83.3775, 82.4917, 106.1358 |
| YIQ | 236.4490, 0.5940, 11.2660 |

Conversions

Conversions Part 2

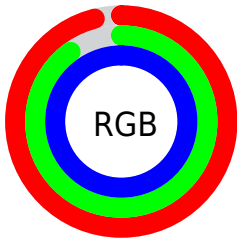
| Format | Color |
|-------------------------------------|-----------------------------|
| R_{YB} | 244, 229, 255 |
| Decimal | 16049663 |
| CIE _{Lab} | 92.79, 9.71, -10.73 |
| CIE _{LCh} | 93, 14.472, 312.134 |
| Yxy | 82.4917, 0.3065, 0.3033 |
| Android (android.graphics.Color) | 4294239743 (0xFFFF4E5FF) |
| YUV | 236.4490, 9.1456, 6.6222 |
| Hunter-Lab | 90.8249, 4.9198, -5.7074 |

Details

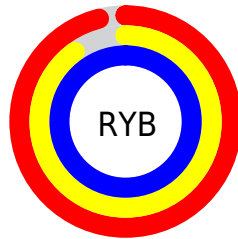
The XYZ color **83.3775, 82.4917, 106.1358** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.8401, 95.7034, 88.0812**, and the grayscale version is **80.0066, 84.1731, 91.6645**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0681, 45.0407, 59.6918** is the 20% darker color. If you saturate the color by 10%, you get **73.1993, 67.5305, 103.7844**, and if you desaturate by 10%, it is **94.8156, 99.6453, 108.8439**.

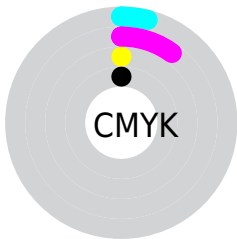
Distribution



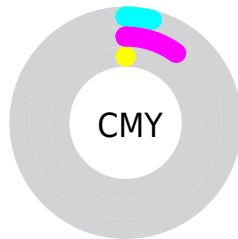
- Red (96%)
- Green (90%)
- Blue (100%)



- Red (96%)
- Yellow (90%)
- Blue (100%)



- Cyan (4%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.3775, 82.4917, 106.1358 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 83.3775, 82.4917, 106.1358 by changing the saturation by 10% instead.

83.3775, 82.4917,
106.1358

83.3775, 82.4917,
106.1358

494.8087,
503.2909, 601.1045

62.8196, 61.7709,
80.7893

137.0298,
136.8633, 171.6891

45.9534, 44.8476,
59.8381

170.8550,
171.2829, 212.7329

32.4135, 31.3374,
42.8637

209.8332,
211.0376, 259.8462

21.8346, 20.8559,
29.4476

254.3299,
256.5118, 313.4476

13.8513, 13.0187,
19.1712

304.7105,
308.0898, 373.9556

8.0984, 7.4414,
11.6160

361.3402,

4.2103, 3.7397,

366.1561, 441.7887

6.3634

424.5845,
431.0950, 517.3655

■ 1.8218, 1.5290,
2.9949

■ 0.5307, 0.3090,
1.0921

■ 83.3775, 82.4917,
106.1358

■ 83.3775, 82.4917,
106.1358

■ 73.1993, 67.5305,
103.7844

94.8156, 99.6453,
108.8439

■ 64.2256, 54.6596,
101.7730

95.0500, 100.0000,
108.9000

■ 56.4066, 43.7837,
100.0859

■ 49.6859, 34.7963,
98.7054

■ 44.0022, 27.5803,
97.6121

■ 39.2871, 22.0052,
96.7845

■ 35.4628, 17.9221,
96.1980

■ 32.4372, 15.1531,
95.8230

■ 30.1022, 13.4331,
95.6140

Harmonies

Analogous

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



79.9418, 82.4917, 111.7168



83.3775, 82.4917, 106.1358



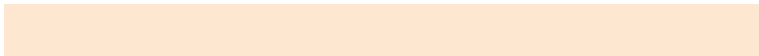
85.5201, 82.4917, 96.3497

Triad

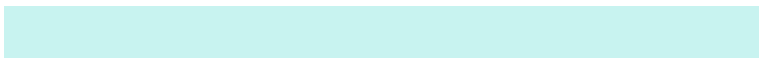
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3775, 82.4917, 106.1358



80.6541, 82.4917, 71.4493



71.5207, 82.4917, 94.2609

Complementary

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



83.3775, 82.4917, 106.1358



85.8401, 95.7034, 88.0812

Split Complementary

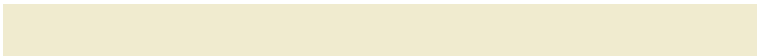
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.6976, 82.4917, 83.5911



83.3775, 82.4917, 106.1358



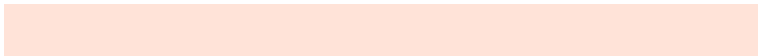
76.8898, 82.4917, 70.9884

Square

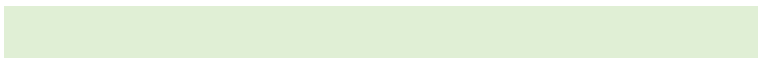
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3775, 82.4917, 106.1358



83.9133, 82.4917, 76.5814



73.6359, 82.4917, 75.2673



73.1448, 82.4917, 104.5014

Rectangle

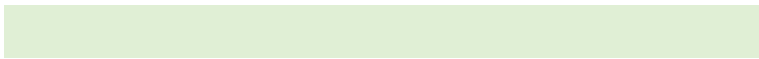
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3775, 82.4917, 106.1358



85.8862, 82.4917, 89.0473



73.6359, 82.4917, 75.2673



71.3730, 82.4917, 90.5960

Sweetspot

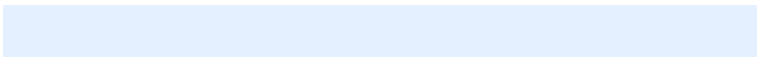
The Sweet Spot groups the original color and five complimentary colors.



83.3797, 82.4951, 106.1363



91.4771, 94.6071, 108.0474



81.6045, 86.3581, 106.9755



19.3797, 19.9487, 23.0790



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.



83.3797, 82.4951, 106.1363



81.4495, 79.6332, 105.6856



87.0331, 84.4106, 104.8574



18.0067, 17.8952, 22.7550



15.9033, 7.1089, 49.9685



1.6733, 0.7565, 4.8711

Inverse Universe

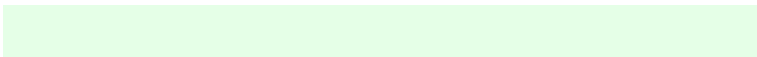
The Inverse Universe completely reimagines the original color for something new.



84.9896, 83.5932, 94.0968



83.3401, 80.9213, 91.6136



82.4618, 93.9337, 89.1927



18.3283, 18.1146, 20.3458



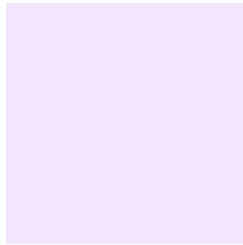
23.0309, 11.7017, 8.8133



2.2956, 1.1606, 1.1383

Previews

White Background



This preview shows how the XYZ color 83.3775, 82.4917, 106.1358 looks on a white background.

Color Contrast Check

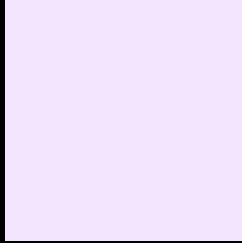
Large Text (above 18pt) WCAG AA × Fail

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 83.3775, 82.4917, 106.1358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

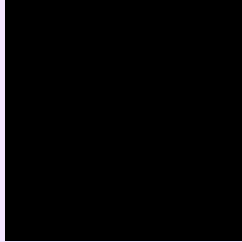
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.3775, 82.4917, 106.1358

Background



This preview shows how black text looks on a background with the XYZ color 83.3775, 82.4917, 106.1358.

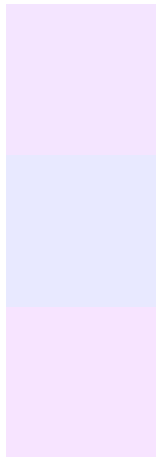


This preview shows how white text looks on a background with the XYZ color 83.3775, 82.4917,

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

83.3775, 82.4917, 106.1358

Protanopia

80.4676, 82.6536, 106.3204

Deuteranopia

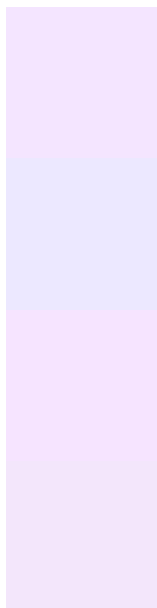
84.1512, 82.4810, 106.0929



Tritanopia

82.2022, 82.4256, 100.3841

Trichromacy



Original Color

83.3775, 82.4917, 106.1358

Protanomaly

81.4987, 82.7661, 106.2878

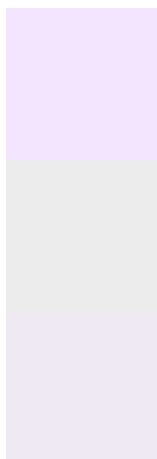
Deuteranomaly

83.7994, 82.2996, 106.0765

Tritanomaly

82.6715, 82.6133, 102.8555

Monochromacy



Original Color

83.3775, 82.4917, 106.1358

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.9132, 83.0996, 96.5693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3775, 82.4917, 106.1358 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(244, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 229, 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(244, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.3775, 82.4917, 106.1358 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(244, 229, 255) }
```


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

```
.border{ border-color:rgb(244, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3775, 82.4917, 106.1358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 229, 255) }
```

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

```
.background{ background-color: rgb(244,  
229, 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