

Converting Colors

XYZ(81.9058, 81.5674,
106.0349)

Have a look what the booklet for
XYZ(81.9058, 81.5674, 106.0349)
contains.

XYZ(82.0045, 81.7839, 106.0715)	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(82.0045, 81.7839,
106.0715)**

Conversions

Conversions Part 1

Format	Color
Hex	F0E5FF
RGB	240, 229, 255
RGB Percent	94%, 90%, 100%
CMY	0.0588, 0.1019, 0.0000
CMYK	0.06, 0.10, 0.00, 0.00
HSL	265°, 100%, 95%
HSV	265°, 10%, 100%
XYZ	82.0045, 81.7839, 106.0715
YIQ	235.2530, -1.7900, 10.4180

Conversions

Conversions Part 2

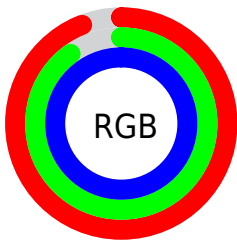
Format	Color
R _Y B	240, 229, 255
Decimal	15787519
CIE Lab	92.48, 8.41, -11.23
CIE LCh	92, 14.031, 306.836
Yxy	81.7839, 0.3039, 0.3031
Android (android.graphics.Color)	4293977599 (0xFFFF0E5FF)
YUV	235.2530, 9.7353, 4.1631
Hunter-Lab	90.4345, 3.6006, -6.2377

Details

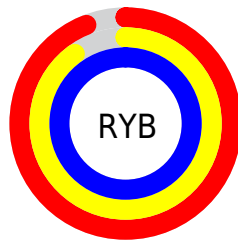
The XYZ color **82.0045, 81.7839, 106.0715** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.2131, 96.4112, 88.1454**, and the grayscale version is **79.0894, 83.2082, 90.6138**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0963, 44.5397, 59.6463** is the 20% darker color. If you saturate the color by 10%, you get **70.6671, 66.2251, 103.6659**, and if you desaturate by 10%, it is **94.7876, 99.6308, 108.8426**.

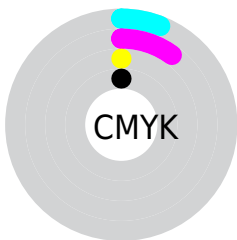
Distribution



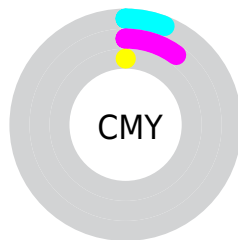
- Red (94%)
- Green (90%)
- Blue (100%)



- Red (94%)
- Yellow (90%)
- Blue (100%)



- Cyan (6%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.0045, 81.7839, 106.0715 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 82.0045, 81.7839, 106.0715 by changing the saturation by 10% instead.

82.0045, 81.7839,
106.0715

82.0045, 81.7839,
106.0715

490.2970,
500.9246, 600.9001

61.6834, 61.1874,
80.7357

135.1161,
135.8709, 171.6005

45.0315, 44.3764,
59.7942

168.6373,
170.1302, 212.6307

31.6836, 30.9666,
42.8286

207.2892,
209.7126, 259.7294

21.2744, 20.5734,
29.4202

251.4372,
255.0025, 313.3153

13.4383, 12.8125,
19.1506

301.4466,
306.3842, 373.8067

7.8101, 7.2996,
11.6013

357.6828,

4.0245, 3.6502,

364.2422, 441.6223

6.3536

420.5112,
428.9609, 517.1806

■ 1.7160, 1.4799,
2.9890

■ 0.4662, 0.2745,
1.0890

■ 82.0045, 81.7839,
106.0715

■ 82.0045, 81.7839,
106.0715

■ 70.6671, 66.2251,
103.6659

94.7876, 99.6308,
108.8426

■ 60.7143, 52.8494,
101.6087

95.0500, 100.0000,
108.9000

■ 52.0900, 41.5584,
99.8839

■ 44.7316, 32.2422,
98.4735

■ 38.5708, 24.7803,
97.3579

■ 33.5324, 19.0386,
96.5152

■ 29.5310, 14.8641,
95.9203

■ 26.4663, 12.0750,
95.5435

■ 24.2189, 10.4002,
95.3387

Harmonies

Analogous

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



78.5691, 81.7839, 110.4668



82.0045, 81.7839, 106.0715



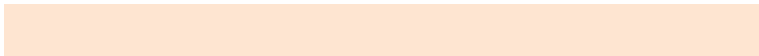
84.3460, 81.7839, 97.1674

Triad

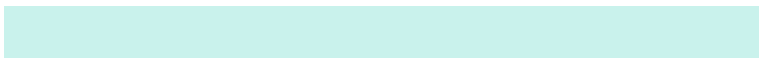
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.0045, 81.7839, 106.0715



80.5185, 81.7839, 71.8646



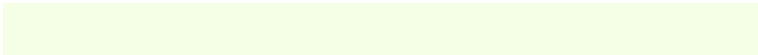
70.9899, 81.7839, 91.4556

Complementary

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



82.0045, 81.7839, 106.0715



87.2131, 96.4112, 88.1454

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.



71.4753, 81.7839, 81.3955



82.0045, 81.7839, 106.0715



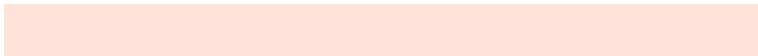
76.9032, 81.7839, 70.5952

Square

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



82.0045, 81.7839, 106.0715



83.4696, 81.7839, 77.5657



73.6127, 81.7839, 73.9523



72.2658, 81.7839, 101.6127

Rectangle

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



82.0045, 81.7839, 106.0715



84.9318, 81.7839, 90.1596



73.6127, 81.7839, 73.9523



70.9532, 81.7839, 87.9471

Sweetspot

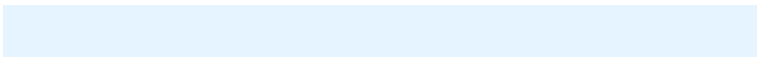
The Sweet Spot groups the original color and five complimentary colors.



82.0067, 81.7873, 106.0720



91.0526, 94.3883, 108.0275



82.7664, 88.6820, 107.3628



19.2652, 19.8896, 23.0736



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.



82.0067, 81.7873, 106.0720



79.8536, 78.8105, 105.6110



86.5184, 84.1131, 106.2832



17.7314, 17.7533, 22.7421



12.8167, 5.5177, 49.8241



1.3695, 0.5999, 4.8569

Inverse Universe

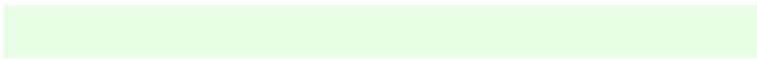
The Inverse Universe completely reimagines the original color for something new.



85.5905, 83.8335, 97.2612



84.0386, 81.2007, 95.2919



82.9141, 94.1950, 87.9442



18.4488, 18.1628, 20.9803



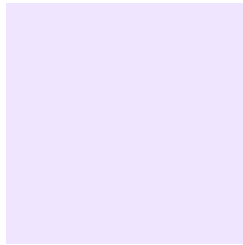
24.3821, 12.2421, 15.9286



2.4286, 1.2138, 1.8386

Previews

White Background



This preview shows how the XYZ color 82.0045, 81.7839, 106.0715 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 82.0045, 81.7839, 106.0715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

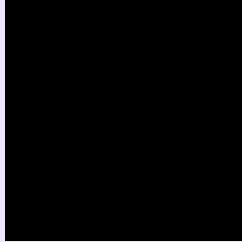
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.0045, 81.7839, 106.0715

Background



This preview shows how black text looks on a background with the XYZ color 82.0045, 81.7839, 106.0715.



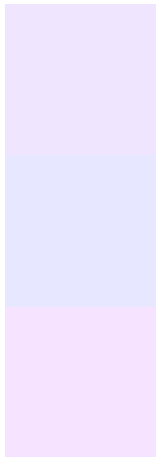
This preview shows how white text looks on a background with the XYZ color 82.0045, 81.7839,

106.0715.

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

82.0045, 81.7839, 106.0715

Protanopia

79.8616, 81.9221, 106.2111

Deuteranopia

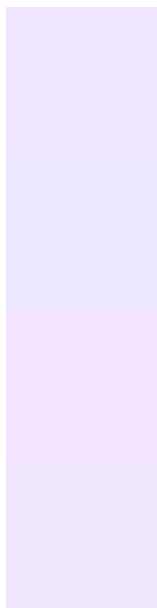
83.5251, 81.7510, 105.9850



Tritanopia

80.8367, 81.7217, 100.3202

Trichromacy



Original Color

82.0045, 81.7839, 106.0715

Protanomaly

80.5576, 81.8643, 106.1633

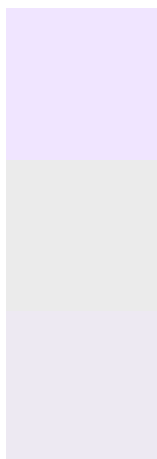
Deuteranomaly

83.1016, 81.9399, 106.0438

Tritanomaly

81.3060, 81.9094, 102.7916

Monochromacy



Original Color

82.0045, 81.7839, 106.0715

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

80.0910, 82.6932, 95.7445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.0045, 81.7839, 106.0715 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(240, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.0045, 81.7839, 106.0715 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(240, 229, 255) }
```


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

```
.border{ border-color:rgb(240, 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(240, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.0045, 81.7839, 106.0715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 229, 255) }
```

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

```
.background{ background-color: rgb(240,  
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