

# Converting Colors

XYZ(82.3641, 78.3590,  
110.3656)

Have a look what the booklet for  
XYZ(82.3641, 78.3590, 110.3656)  
contains.

<b>XYZ(81.2994, 77.8189, 105.3433)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(81.2994, 77.8189,  
105.3433)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5DCFF
RGB	245, 220, 255
RGB Percent	96%, 86%, 100%
CMY	0.0392, 0.1372, 0.0000
CMYK	0.04, 0.14, 0.00, 0.00
HSL	283°, 100%, 93%
HSV	283°, 14%, 100%
XYZ	81.2994, 77.8189, 105.3433
YIQ	231.4650, 3.6650, 16.1850

# Conversions

## Conversions Part 2

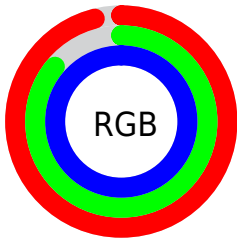
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 220, 255
Decimal	16112895
CIE Lab	90.70, 14.73, -13.85
CIE LCh	91, 20.214, 316.760
Yxy	77.8189, 0.3074, 0.2943
Android (android.graphics.Color)	4294302975 (0xFFF5DCFF)
YUV	231.4650, 11.6028, 11.8702
Hunter-Lab	88.2150, 10.1302, -9.0515

# Details

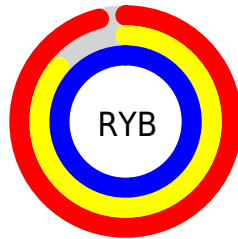
The XYZ color **81.2994, 77.8189, 105.3433** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **81.3133, 93.5112, 81.4778**, and the grayscale version is **76.2182, 80.1875, 87.3242**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6344, 41.8063, 59.1430** is the 20% darker color. If you saturate the color by 10%, you get **72.6192, 64.1571, 103.1639**, and if you desaturate by 10%, it is **91.1046, 93.5803, 107.8688**.

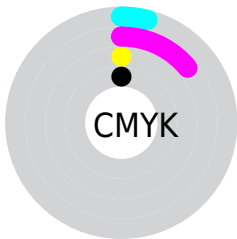
# Distribution



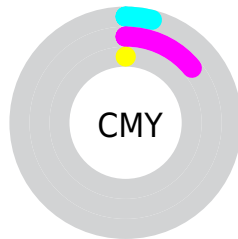
- Red (96%)
- Green (86%)
- Blue (100%)



- Red (96%)
- Yellow (86%)
- Blue (100%)



- Cyan (4%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (14%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2994, 77.8189, 105.3433 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 81.2994, 77.8189, 105.3433 by changing the saturation by 10% instead.




 81.2994, 77.8189,  
105.3433

 81.2994, 77.8189,  
105.3433


487.9713,  
487.5516, 598.5837

 61.1003, 57.9252,  
80.1287


134.1320,  
130.2948, 170.5966

 44.5590, 41.7485,  
59.2975


167.4963,  
163.6458, 211.4724

 31.3100, 28.9044,  
42.4311


205.9798,  
202.2514, 258.4057

 20.9880, 19.0085,  
29.1109

249.9477,  
246.4959, 311.8151

 13.2276, 11.6765,  
18.9184

299.7654,  
296.7638, 372.1190

 7.6636, 6.5238,  
11.4351

355.7984,

 3.9304, 3.1661,

353.4395, 439.7361

6.2425

418.4119,  
416.9072, 515.0848

■ 1.6628, 1.2191,  
2.9219

■ 0.4328, 0.0772,  
1.0549

■ 81.2994, 77.8189,  
105.3433

■ 81.2994, 77.8189,  
105.3433

■ 72.6192, 64.1571,  
103.1639

■ 91.1046, 93.5803,  
107.8688

■ 65.0106, 52.4924,  
101.3134

95.0500, 100.0000,  
108.9000

■ 58.4248, 42.7281,  
99.7758

■ 52.8066, 34.7558,  
98.5331

■ 48.0953, 28.4555,  
97.5653

■ 44.2226, 23.6925,  
96.8501

■ 41.1095, 20.3108,  
96.3614

■ 38.6599, 18.1200,  
96.0676

■ 37.3756, 17.1827,  
95.9544

# Harmonies

## Analogous

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



76.8127, 77.8189, 114.3899



81.2994, 77.8189, 105.3433



83.8703, 77.8189, 91.2914

# Triad

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



81.2994, 77.8189, 105.3433



76.2209, 77.8189, 60.3466



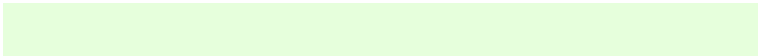
65.0133, 77.8189, 93.0438

# Complementary

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



81.2994, 77.8189, 105.3433



81.3133, 93.5112, 81.4778

# 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.



64.8711, 77.8189, 78.4937



81.2994, 77.8189, 105.3433



71.1877, 77.8189, 60.7014

# Square

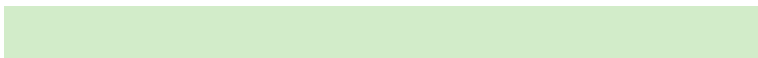
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



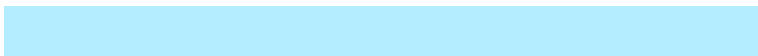
81.2994, 77.8189, 105.3433



80.8492, 77.8189, 65.9689



67.0847, 77.8189, 67.0007



67.4823, 77.8189, 106.7519



# Rectangle

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



81.2994, 77.8189, 105.3433



84.0787, 77.8189, 81.4862



67.0847, 77.8189, 67.0007



64.6959, 77.8189, 88.0619

# Sweetspot

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



81.3015, 77.8221, 105.3439



90.8179, 93.1153, 107.7942



76.0041, 79.3110, 105.9105



19.2729, 19.6617, 23.0293



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.



81.3015, 77.8221, 105.3439



79.2279, 74.5302, 104.8178



83.7781, 79.2267, 99.6845



18.2573, 18.0244, 22.7667



19.6840, 9.0580, 50.1455



2.0242, 0.9375, 4.8875



# Inverse Universe

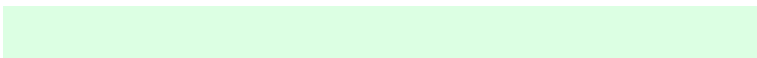
The Inverse Universe completely reimagines the original color for something new.



81.1181, 78.1627, 85.6772



79.0450, 74.9376, 82.1468



79.1426, 92.2828, 86.3174



18.2227, 18.0724, 19.7900



22.2298, 11.3812, 4.5947

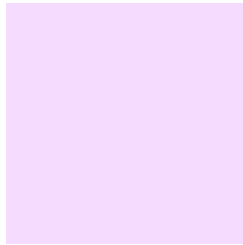


2.2091, 1.1260, 0.6824



# Previews

## White Background



This preview shows how the XYZ color 81.2994, 77.8189, 105.3433 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

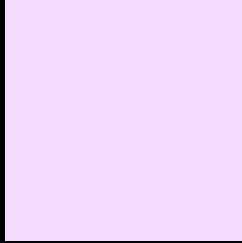
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.2994, 77.8189, 105.3433 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

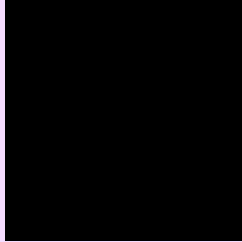
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 81.2994, 77.8189, 105.3433

## Background



This preview shows how black text looks on a background with the XYZ color 81.2994, 77.8189, 105.3433.



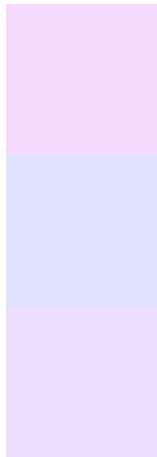
This preview shows how white text looks on a background with the XYZ color 81.2994, 77.8189,



# 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

81.2994, 77.8189, 105.3433

### Protanopia

76.2596, 78.0055, 105.6450

### Deuteranopia

79.4312, 77.6397, 105.4072



## Tritanopia

79.0780, 78.1213, 93.3491

# Trichromacy



## Original Color

81.2994, 77.8189, 105.3433

## Protanomaly

77.9844, 77.6871, 105.4926

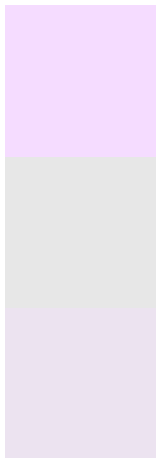
## Deuteranomaly

80.1821, 77.6337, 105.3665

## Tritanomaly

79.9109, 78.0682, 97.2431

# Monochromacy



## Original Color

81.2994, 77.8189, 105.3433

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

77.7893, 79.0623, 93.5987

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.2994, 77.8189, 105.3433 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(245, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 220, 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(245, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 220, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 81.2994, 77.8189, 105.3433 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(245, 220, 255) }
```



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

```
.border{ border-color:rgb(245, 220, 255) }
```

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

Here you see how a box with a 4 pixel rgb(245, 220, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 220,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.2994, 77.8189, 105.3433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 220, 255) }
```

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

```
.background{ background-color: rgb(245,  
220, 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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