

# Converting Colors

XYZ(79.4221, 77.4922, 99.8381)

Have a look what the booklet for  
XYZ(79.4221, 77.4922, 99.8381)  
contains.

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# Color

**XYZ(79.4177, 77.3675,  
99.5546)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2DDF8
RGB	242, 221, 248
RGB Percent	95%, 87%, 97%
CMY	0.0510, 0.1333, 0.0274
CMYK	0.02, 0.11, 0.00, 0.03
HSL	287°, 66%, 92%
HSV	287°, 11%, 97%
XYZ	79.4177, 77.3675, 99.5546
YIQ	230.3570, 3.8490, 12.8490

# Conversions

## Conversions Part 2

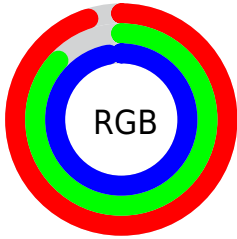
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	242, 221, 248
Decimal	15916536
CIE <sub>Lab</sub>	90.49, 11.93, -10.51
CIE <sub>LCh</sub>	90, 15.898, 318.605
Yxy	77.3675, 0.3098, 0.3018
Android (android.graphics.Color)	4294106616 (0xFFFF2DDF8)
YUV	230.3570, 8.6980, 10.2109
Hunter-Lab	87.9588, 7.2392, -5.5352

# Details

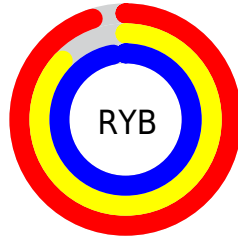
The XYZ color **79.4177, 77.3675, 99.5546** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.3000, 88.6882, 81.4022**, and the grayscale version is **75.4157, 79.3432, 86.4047**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.4003, 41.5173, 55.5954** is the 20% darker color. If you saturate the color by 10%, you get **71.4848, 64.2669, 97.4452**, and if you desaturate by 10%, it is **88.3793, 92.4385, 101.9924**.

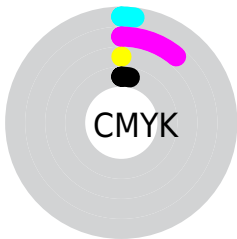
# Distribution



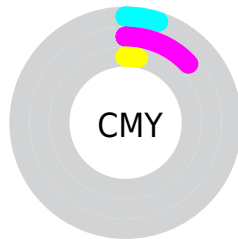
- Red (95%)
- Green (87%)
- Blue (97%)



- Red (95%)
- Yellow (87%)
- Blue (97%)



- Cyan (2%)
- Magenta (11%)
- Yellow (0%)
- Black (3%)



- Cyan (5%)
- Magenta (13%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.4177, 77.3675, 99.5546 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 79.4177, 77.3675, 99.5546 by changing the saturation by 10% instead.



79.4177, 77.3675,  
99.5546

79.4177, 77.3675,  
99.5546

481.7347,  
486.0161, 579.9982

59.5461, 57.5545,  
75.3138

131.5016,  
129.6581, 162.5915

43.3010, 41.4506,  
55.3667

164.4446,  
162.9046, 202.2247

30.3169, 28.6714,  
39.2948

202.4754,  
201.3976, 247.8258

20.2285, 18.8324,  
26.6796

245.9594,  
245.5217, 299.8132

12.6705, 11.5492,  
17.1024

295.2620,  
295.6612, 358.6057

7.2775, 6.4375,  
10.1448

350.7486,

3.6841, 3.1129,

352.2005, 424.6216

5.3882

412.7843,  
415.5240, 498.2796

■ 1.5250, 1.1910,  
2.4141

■ 0.3428, 0.0543,  
0.7941

■ 79.4177, 77.3675,  
99.5546

■ 79.4177, 77.3675,  
99.5546

■ 71.4848, 64.2669,  
97.4452

■ 88.3793, 92.4385,  
101.9924

■ 64.5311, 53.0419,  
95.6451

■ 93.2207, 99.1848,  
103.0394

■ 58.5129, 43.6049,  
94.1407

■ 93.9435, 99.5574,  
103.0733

■ 53.3806, 35.8572,  
92.9158

■ 49.0797, 29.6906,  
91.9522

■ 45.5492, 24.9840,  
91.2298

■ 42.7193, 21.5984,  
90.7255

■ 40.5065, 19.3679,  
90.4115

■ 38.9063, 18.0996,  
90.2511

# Harmonies

## Analogous

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



76.0003, 77.3675, 106.7282



79.4177, 77.3675, 99.5546



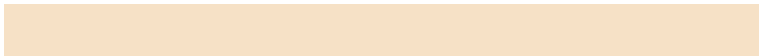
81.2830, 77.3675, 88.6380

# Triad

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



79.4177, 77.3675, 99.5546



75.0555, 77.3675, 64.5577



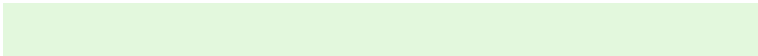
66.5289, 77.3675, 91.4163

# Complementary

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



79.4177, 77.3675, 99.5546



78.3000, 88.6882, 81.4022

# 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.



66.2966, 77.3675, 79.9900



79.4177, 77.3675, 99.5546



71.1246, 77.3675, 65.1559

# Square

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



79.4177, 77.3675, 99.5546



78.7047, 77.3675, 68.8673



67.9511, 77.3675, 70.5826



68.5977, 77.3675, 101.7455



# Rectangle

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



79.4177, 77.3675, 99.5546



81.3521, 77.3675, 81.0082



67.9511, 77.3675, 70.5826



66.2363, 77.3675, 87.5568

# Sweetspot

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



79.4200, 77.3708, 99.5563



92.0352, 94.8948, 108.0735



74.3165, 77.2554, 99.8030



19.5305, 20.0264, 23.0861



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.



79.4200, 77.3708, 99.5563



82.7127, 79.2723, 105.5494



80.4175, 78.0117, 93.8838



17.5935, 17.3186, 21.8008



21.1428, 9.8422, 48.7589



2.0478, 0.9577, 4.5201



# Inverse Universe

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



78.4357, 77.2189, 83.4476



81.4947, 79.0922, 85.2591



77.4204, 88.1215, 86.4764



17.4025, 17.2884, 18.7095



21.3287, 10.9472, 3.1735

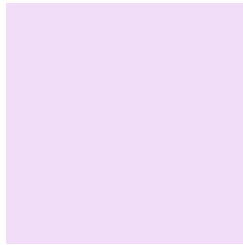


2.0134, 1.0291, 0.4939



# Previews

## White Background



This preview shows how the XYZ color 79.4177, 77.3675, 99.5546 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

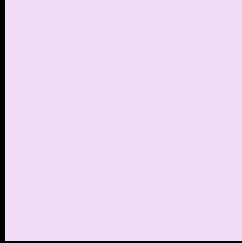
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.4177, 77.3675, 99.5546 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

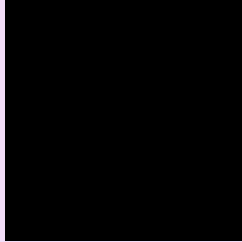
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

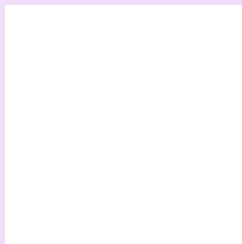
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 79.4177, 77.3675, 99.5546

## Background



This preview shows how black text looks on a background with the XYZ color 79.4177, 77.3675, 99.5546.



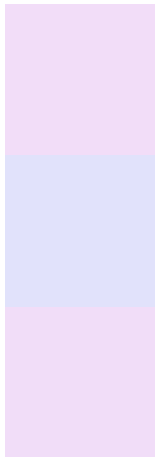
This preview shows how white text looks on a background with the XYZ color 79.4177, 77.3675,



# 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

79.4177, 77.3675, 99.5546

### Protanopia

75.6603, 77.3653, 102.2121

### Deuteranopia

79.0754, 77.1910, 99.5386



## Tritanopia

78.1251, 77.2346, 93.2282

# Trichromacy



## Original Color

79.4177, 77.3675, 99.5546

## Protanomaly

76.8660, 77.2024, 101.2928

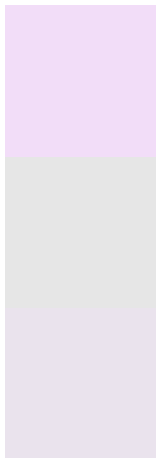
## Deuteranomaly

79.0754, 77.1910, 99.5386

## Tritanomaly

78.5746, 77.4144, 95.5952

# Monochromacy



## Original Color

79.4177, 77.3675, 99.5546

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

76.6868, 78.5450, 91.2396

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.4177, 77.3675, 99.5546 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(242, 221, 248)` looks like.

```
.text, #text, p{  
    color:rgb(242, 221, 248)  
}
```

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(242, 221, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 221, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 79.4177, 77.3675, 99.5546 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(242, 221, 248) }
```



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

```
.border{ border-color:rgb(242, 221, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 221, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 221, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 221, 248);  
box-shadow:4px 4px 4px 4px rgb(242, 221,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.4177, 77.3675, 99.5546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 221, 248) }
```

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

```
.background{ background-color: rgb(242,  
221, 248) }
```

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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