

# Converting Colors

XYZ(79.7956, 77.4104, 98.7296)

Have a look what the booklet for XYZ(79.7956, 77.4104, 98.7296) contains.

- XYZ(79.9532, 77.6614, 98.7719) ..... 3**
- Conversions*** ..... 4
- Details*** ..... 6
- Harmonies*** ..... 12
- Previews*** ..... 24
- Color Blindness Simulation*** ..... 28
- CSS Examples*** ..... 31

# Color

**XYZ(79.9532, 77.6614,  
98.7719)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4DDF7
RGB	244, 221, 247
RGB Percent	96%, 87%, 97%
CMY	0.0431, 0.1333, 0.0314
CMYK	0.01, 0.11, 0.00, 0.03
HSL	293°, 62%, 92%
HSV	293°, 11%, 97%
XYZ	79.9532, 77.6614, 98.7719
YIQ	230.8410, 5.3620, 12.9620

# Conversions

## Conversions Part 2

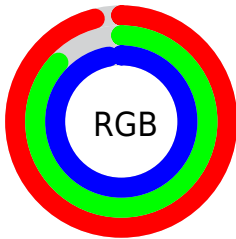
Format	Color
<a href="#">RYB</a>	<a href="#">244, 221, 247</a>
Decimal	<a href="#">16047607</a>
CIELab	<a href="#">90.63, 12.40, -9.77</a>
CIELCh	<a href="#">91, 15.788, 321.768</a>
Yxy	<a href="#">77.6614, 0.3118, 0.3029</a>
Android (android.graphics.Color)	<a href="#">4294237687</a> ( <a href="#">0xFFFF4DDF7</a> )
YUV	<a href="#">230.8410, 7.9664, 11.5404</a>
Hunter-Lab	<a href="#">88.1257, 7.7265, -4.7646</a>

# Details

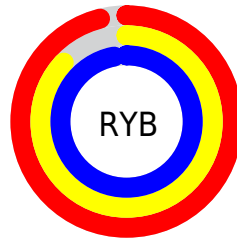
The XYZ color **79.9532, 77.6614, 98.7719** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **77.0552, 87.5913, 81.2561**, and the grayscale version is **75.7792, 79.7257, 86.8212**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7792, 41.7254, 55.0366** is the 20% darker color. If you saturate the color by 10%, you get **72.9250, 65.0607, 96.7113**, and if you desaturate by 10%, it is **87.9606, 92.1954, 101.1564**.

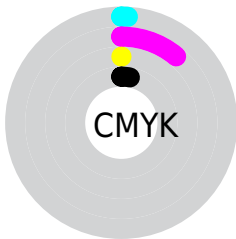
# Distribution



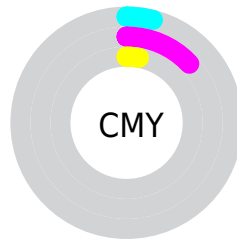
- Red (96%)
- Green (87%)
- Blue (97%)



- Red (96%)
- Yellow (87%)
- Blue (97%)



- Cyan (1%)
- Magenta (11%)
- Yellow (0%)
- Black (3%)



- Cyan (4%)
- Magenta (13%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9532, 77.6614, 98.7719 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 79.9532, 77.6614, 98.7719 by changing the saturation by 10% instead.



79.9532, 77.6614,  
98.7719

79.9532, 77.6614,  
98.7719

483.5140,  
487.0161, 577.4611

59.9882, 57.7959,  
74.6641

132.2508,  
130.0727, 161.5056

43.6585, 41.6446,  
54.8377

165.3141,  
163.3872, 200.9686

30.5989, 28.8231,  
38.8741

203.4742,  
201.9536, 246.3871

20.4439, 18.9470,  
26.3547

247.0964,  
246.1561, 298.1797

12.8283, 11.6320,  
16.8610

296.5462,  
296.3793, 356.7648

7.3866, 6.4936,  
9.9746

352.1888,

3.7535, 3.1475,

353.0074, 422.5610

5.2767

414.3896,  
416.4249, 495.9870

■ 1.5636, 1.2092,  
2.3490

■ 0.3685, 0.0692,  
0.7584

■ 79.9532, 77.6614,  
98.7719

■ 79.9532, 77.6614,  
98.7719

■ 72.9250, 65.0607,  
96.7113

■ 87.9606, 92.1954,  
101.1564

■ 66.8274, 54.2998,  
94.9556

■ 91.8664, 98.5045,  
102.1683

■ 61.6177, 45.2925,  
93.4916

■ 92.8940, 99.0342,  
102.2164

■ 57.2475, 37.9415,  
92.3031

■ 93.7887, 99.4955,  
102.2583

■ 53.6633, 32.1402,  
91.3722

■ 50.8055, 27.7696,  
90.6792

■ 48.6059, 24.6932,  
90.2014

■ 46.9829, 22.7480,  
89.9114

■ 45.8516, 21.6980,  
89.7684

# Harmonies

## Analogous

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



76.6721, 77.6614, 106.4499



79.9532, 77.6614, 98.7719



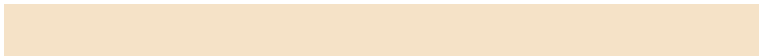
81.6027, 77.6614, 87.7179

# Triad

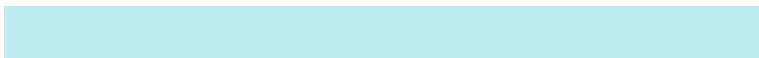
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.9532, 77.6614, 98.7719



74.9094, 77.6614, 64.7786



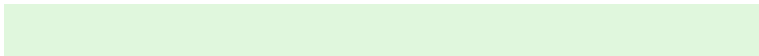
66.9730, 77.6614, 92.8999

# Complementary

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



79.9532, 77.6614, 98.7719



77.0552, 87.5913, 81.2561

# 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.



66.5390, 77.6614, 81.4789



79.9532, 77.6614, 98.7719



71.0294, 77.6614, 65.8977

# Square

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



79.9532, 77.6614, 98.7719



78.6233, 77.6614, 68.5748



67.9990, 77.6614, 71.7814



69.2065, 77.6614, 102.8544



# Rectangle

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



79.9532, 77.6614, 98.7719



81.5155, 77.6614, 80.1939



67.9990, 77.6614, 71.7814



66.6151, 77.6614, 89.0819

# Sweetspot

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



79.9555, 77.6647, 98.7736



92.3339, 95.0488, 108.0875



73.2752, 75.4205, 98.6925



19.6114, 20.0681, 23.0898



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.



79.9555, 77.6647, 98.7736



83.9781, 79.9246, 105.6086



79.5076, 77.6068, 90.9378



17.0143, 16.6655, 20.8626



24.3273, 11.5155, 47.4785

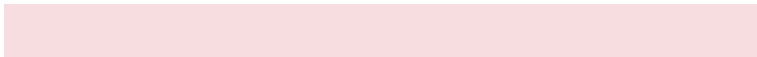


2.1905, 1.0391, 4.1753

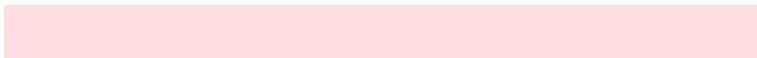


# Inverse Universe

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



77.6715, 76.8724, 81.2689



81.0044, 78.8961, 82.6772



77.5014, 87.6633, 88.4156



16.5769, 16.5136, 17.5185



20.4260, 10.5138, 1.6859

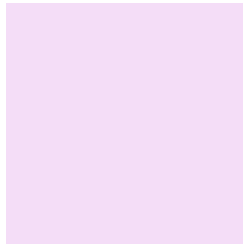


1.8200, 0.9340, 0.2787



# Previews

## White Background



This preview shows how the XYZ color 79.9532, 77.6614, 98.7719 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

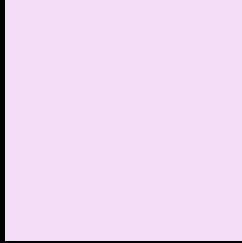
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.9532, 77.6614, 98.7719 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 79.9532, 77.6614, 98.7719**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.9532, 77.6614, 98.7719.



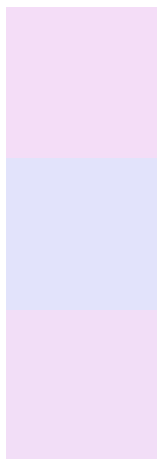
This preview shows how white text looks on a background with the XYZ color 79.9532, 77.6614,

98.7719.

# 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

79.9532, 77.6614, 98.7719

### Protanopia

76.2457, 78.0720, 102.3176

### Deuteranopia

79.5277, 77.8352, 98.8278



## Tritanopia

78.8116, 77.5885, 93.2603

# Trichromacy



## Original Color

79.9532, 77.6614, 98.7719

## Protanomaly

77.7848, 78.0762, 101.4130

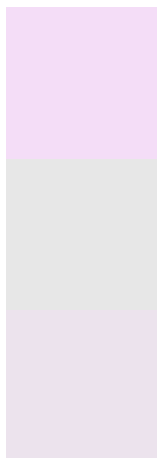
## Deuteranomaly

79.8719, 78.0126, 98.8439

## Tritanomaly

79.2611, 77.7683, 95.6273

# Monochromacy



## Original Color

79.9532, 77.6614, 98.7719

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

77.3472, 78.8855, 91.2705

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.9532, 77.6614, 98.7719 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, 221, 247) looks like.

```
.text, #text, p{  
    color:rgb(244, 221, 247)  
}
```

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, 221, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 221, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 79.9532, 77.6614, 98.7719 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, 221, 247) }
```



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

```
.border{ border-color:rgb(244, 221, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 221, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 221, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 221, 247);  
box-shadow:4px 4px 4px 4px rgb(244, 221,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.9532, 77.6614, 98.7719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 221, 247) }
```

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

```
.background{ background-color: rgb(244,  
221, 247) }
```

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