

# Converting Colors

XYZ(80.4170, 76.9574, 98.4343)

Have a look what the booklet for  
XYZ(80.4170, 76.9574, 98.4343)  
contains.

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# Color

**XYZ(80.4778, 77.1526,  
98.6460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7DBF7
RGB	247, 219, 247
RGB Percent	97%, 86%, 97%
CMY	0.0314, 0.1412, 0.0314
CMYK	0.00, 0.11, 0.00, 0.03
HSL	300°, 64%, 91%
HSV	300°, 11%, 97%
XYZ	80.4778, 77.1526, 98.6460
YIQ	230.5640, 7.7000, 14.6440

# Conversions

## Conversions Part 2

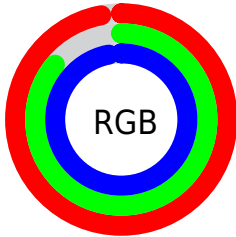
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 219, 247
Decimal	16243703
CIE Lab	90.39, 14.44, -10.09
CIE LCh	90, 17.615, 325.051
Yxy	77.1526, 0.3140, 0.3011
Android (android.graphics.Color)	4294433783 (0xFFF7DBF7)
YUV	230.5640, 8.1029, 14.4144
Hunter-Lab	87.8366, 9.8317, -5.1008

# Details

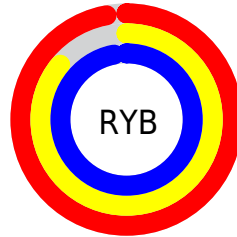
The XYZ color **80.4778, 77.1526, 98.6460** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **75.2633, 86.6983, 79.7895**, and the grayscale version is **75.5714, 79.5070, 86.5831**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1653, 41.3889, 54.9513** is the 20% darker color. If you saturate the color by 10%, you get **74.5069, 65.2096, 96.6565**, and if you desaturate by 10%, it is **87.4093, 91.0144, 100.9576**.

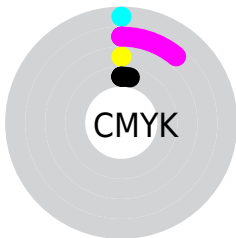
# Distribution



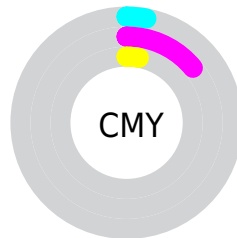
- Red (97%)
- Green (86%)
- Blue (97%)



- Red (97%)
- Yellow (86%)
- Blue (97%)



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




- Cyan (3%)
- Magenta (14%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4778, 77.1526, 98.6460 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 80.4778, 77.1526, 98.6460 by changing the saturation by 10% instead.




 80.4778, 77.1526,  
98.6460

 80.4778, 77.1526,  
98.6460

485.2536,  
485.2842, 577.0524

 60.4214, 57.3781,  
74.5597


132.9843,  
129.3549, 161.3308

 44.0092, 41.3089,  
54.7527

166.1651,  
162.5515, 200.7664

 30.8757, 28.5605,  
38.8065

204.4515,  
200.9909, 246.1555

 20.6555, 18.7486,  
26.3025

248.2087,  
245.0575, 297.9167

 12.9835, 11.4888,  
16.8223

297.8022,  
295.1358, 356.4684

 7.4941, 6.3966,  
9.9473

353.5973,

 3.8220, 3.0877,

351.6100, 422.2292

5.2589

415.9593,  
414.8647, 495.6177

■ 1.6020, 1.1777,  
2.3385

■ 0.3937, 0.0434,  
0.7527

■ 80.4778, 77.1526,  
98.6460

■ 80.4778, 77.1526,  
98.6460

■ 74.5069, 65.2096,  
96.6565

■ 87.4093, 91.0144,  
100.9576

■ 69.4479, 55.0916,  
94.9700

■ 90.9071, 98.0100,  
102.1236

■ 65.2579, 46.7117,  
93.5732

■ 90.9072, 98.0100,  
102.1238

■ 61.8881, 39.9722,  
92.4498

■ 90.9072, 98.0100,  
102.1239

59.2848, 34.7656,  
91.5819

90.9072, 98.0100,  
102.1241

57.3877, 30.9715,  
90.9494

90.9072, 98.0100,  
102.1242

56.1280, 28.4520,  
90.5293

90.9073, 98.0100,  
102.1244

55.4225, 27.0412,  
90.2940

90.9073, 98.0100,  
102.1246

55.1468, 26.4898,  
90.2020

90.9073, 98.0100,  
102.1247

# Harmonies

## Analogous

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



76.9677, 77.1526, 107.8927



80.4778, 77.1526, 98.6460



82.0761, 77.1526, 86.1113

# Triad

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



80.4778, 77.1526, 98.6460



74.0627, 77.1526, 62.1288



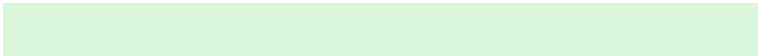
65.9393, 77.1526, 94.6753

# Complementary

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



80.4778, 77.1526, 98.6460



75.2633, 86.6983, 79.7895

# 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.



65.2307, 77.1526, 81.9354



80.4778, 77.1526, 98.6460



69.8112, 77.1526, 63.9339

# Square

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



80.4778, 77.1526, 98.6460



78.2792, 77.1526, 65.6902



66.6208, 77.1526, 70.8914



68.5963, 77.1526, 105.4445



# Rectangle

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



80.4778, 77.1526, 98.6460



81.7979, 77.1526, 77.8773



66.6208, 77.1526, 70.8914



65.4699, 77.1526, 90.4483

# Sweetspot

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



80.4801, 77.1559, 98.6477



92.6579, 95.2158, 108.1026



71.3369, 72.4424, 98.2199



19.6992, 20.1134, 23.0939



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

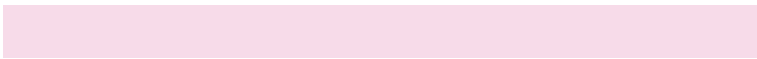
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4801, 77.1559, 98.6477



84.6998, 79.2997, 105.4497



78.3998, 76.3239, 87.6934



17.2137, 16.7683, 20.8719



29.1649, 14.0094, 47.7042



2.5633, 1.2313, 4.1927



# Inverse Universe

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



80.4801, 77.1559, 98.6477



84.6998, 79.2997, 105.4497



77.1849, 87.4669, 89.9083



17.2137, 16.7683, 20.8719



29.1649, 14.0094, 47.7042

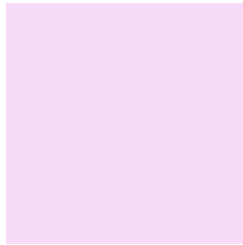


2.5633, 1.2313, 4.1927



# Previews

## White Background



This preview shows how the XYZ color 80.4778, 77.1526, 98.6460 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 80.4778, 77.1526, 98.6460 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

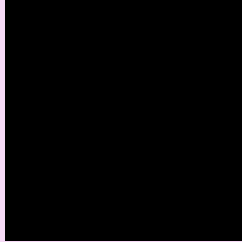
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 80.4778, 77.1526, 98.6460

## Background



This preview shows how black text looks on a background with the XYZ color 80.4778, 77.1526, 98.6460.



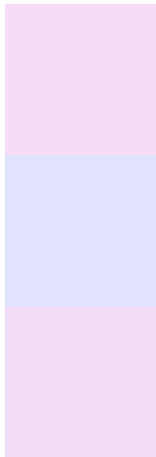
This preview shows how white text looks on a background with the XYZ color 80.4778, 77.1526,

98.6460.

# 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

80.4778, 77.1526, 98.6460

### Protanopia

75.6603, 77.3653, 102.2121

### Deuteranopia

78.9206, 77.1291, 98.7235



## Tritanopia

79.2951, 77.4788, 91.6645

# Trichromacy



## Original Color

80.4778, 77.1526, 98.6460

## Protanomaly

77.2473, 77.0011, 101.2338

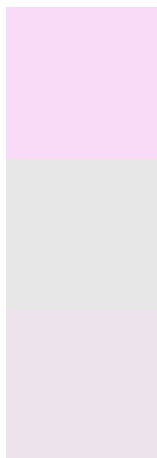
## Deuteranomaly

79.3438, 76.9565, 98.6679

## Tritanomaly

79.4764, 77.1301, 93.9178

# Monochromacy



## Original Color

80.4778, 77.1526, 98.6460

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

77.6802, 79.0571, 91.2861

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.4778, 77.1526, 98.6460 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(247, 219, 247)` looks like.

```
.text, #text, p{  
    color:rgb(247, 219, 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(247, 219, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 219, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 80.4778, 77.1526, 98.6460 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(247, 219, 247) }
```



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

```
.border{ border-color:rgb(247, 219, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 219, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 219, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 219, 247);  
box-shadow:4px 4px 4px 4px rgb(247, 219,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.4778, 77.1526, 98.6460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 219, 247) }
```

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

```
.background{ background-color: rgb(247,  
219, 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](#).

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