

# Converting Colors

XYZ(79.9998, 80.9961, 99.0248)

Have a look what the booklet for  
XYZ(79.9998, 80.9961, 99.0248)  
contains.

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# Color

**XYZ(80.0677, 80.9312,  
99.3969)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEE5F7
RGB	238, 229, 247
RGB Percent	93%, 90%, 97%
CMY	0.0667, 0.1019, 0.0314
CMYK	0.04, 0.07, 0.00, 0.03
HSL	270°, 53%, 93%
HSV	270°, 7%, 97%
XYZ	80.0677, 80.9312, 99.3969
YIQ	233.7430, -0.4140, 7.5060

# Conversions

## Conversions Part 2

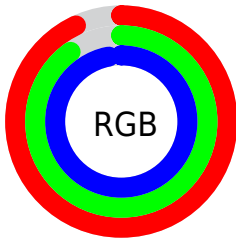
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 229, 247
Decimal	15656439
CIE Lab	92.10, 6.27, -7.63
CIE LCh	92, 9.876, 309.380
Yxy	80.9312, 0.3075, 0.3108
Android (android.graphics.Color)	4293846519 (0xFFEEE5F7)
YUV	233.7430, 6.5357, 3.7334
Hunter-Lab	89.9618, 1.4353, -2.5351

# Details

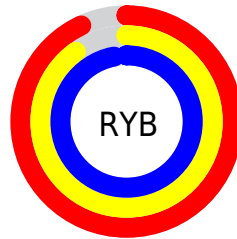
The XYZ color **80.0677, 80.9312, 99.3969** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.6665, 90.3579, 87.2167**, and the grayscale version is **77.9669, 82.0272, 89.3276**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8314, 43.9788, 55.4688** is the 20% darker color. If you saturate the color by 10%, you get **69.7084, 66.1587, 97.0927**, and if you desaturate by 10%, it is **91.6887, 97.8020, 102.0420**.

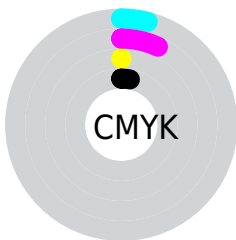
# Distribution



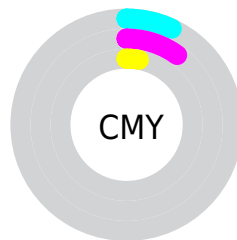
- Red (93%)
- Green (90%)
- Blue (97%)



- Red (93%)
- Yellow (90%)
- Blue (97%)



- Cyan (4%)
- Magenta (7%)
- Yellow (0%)
- Black (3%)



- Cyan (7%)
- Magenta (10%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.0677, 80.9312, 99.3969 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 80.0677, 80.9312, 99.3969 by changing the saturation by 10% instead.



80.0677, 80.9312,  
99.3969

80.0677, 80.9312,  
99.3969

483.8940,  
498.0655, 579.4875

60.0827, 60.4849,  
75.1829

132.4109,  
134.6742, 162.3728

43.7350, 43.8096,  
55.2601

165.4999,  
168.7396, 201.9717

30.6593, 30.5209,  
39.2100

203.6876,  
208.1137, 247.5361

20.4901, 20.2343,  
26.6140

247.3393,  
253.1806, 299.4843

12.8621, 12.5655,  
17.0537

296.8205,  
304.3249, 358.2351

7.4100, 7.1300,  
10.1104

352.4964,

3.7684, 3.5435,

361.9308, 424.2068

5.3657

414.7325,  
426.3829, 497.8181

■ 1.5720, 1.4217,  
2.4009

■ 0.3740, 0.2326,  
0.7869

■ 80.0677, 80.9312,  
99.3969

■ 80.0677, 80.9312,  
99.3969

■ 69.7084, 66.1587,  
97.0927

■ 91.6887, 97.8020,  
102.0420

■ 60.5571, 53.3894,  
95.1103

■ 93.7887, 99.4955,  
102.2582

■ 52.5666, 42.5364,  
93.4366

■ 45.6837, 33.5020,  
92.0556

■ 39.8504, 26.1798,  
90.9497

■ 35.0030, 20.4518,  
90.0996

■ 31.0698, 16.1845,  
89.4832

■ 27.9671, 13.2213,  
89.0748

■ 25.5884, 11.3599,  
88.8409

# Harmonies

## Analogous

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



77.7226, 80.9312, 102.6755



80.0677, 80.9312, 99.3969



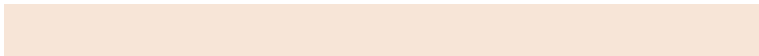
81.5917, 80.9312, 93.1459

# Triad

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



80.0677, 80.9312, 99.3969



78.6580, 80.9312, 75.6497



72.1973, 80.9312, 90.4230

# Complementary

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



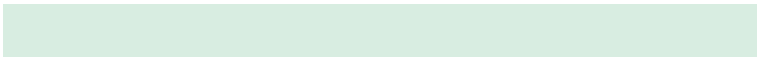
80.0677, 80.9312, 99.3969



82.6665, 90.3579, 87.2167

# 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.



72.4353, 80.9312, 83.2788



80.0677, 80.9312, 99.3969



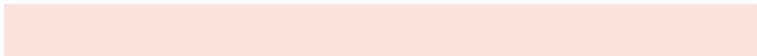
76.1283, 80.9312, 75.0101

# Square

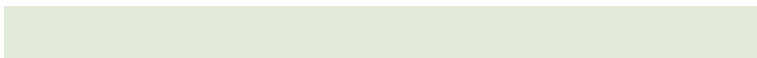
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0677, 80.9312, 99.3969



80.7655, 80.9312, 79.5287



73.8611, 80.9312, 77.7306



73.2038, 80.9312, 97.3095

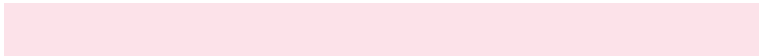


# Rectangle

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



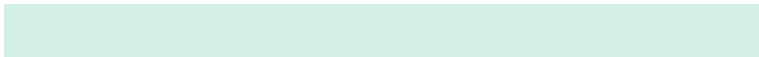
80.0677, 80.9312, 99.3969



81.9177, 80.9312, 88.2720



73.8611, 80.9312, 77.7306



72.1349, 80.9312, 87.9688

# Sweetspot

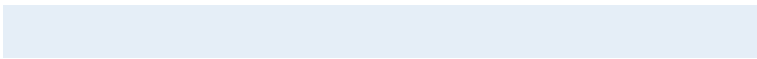
The Sweet Spot groups the original color and five complimentary colors.



80.0701, 80.9347, 99.3987



92.5124, 96.3085, 108.3212



79.7666, 84.7004, 100.1415



19.8281, 20.6527, 23.1913



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.



80.0701, 80.9347, 99.3987



84.0635, 84.1092, 106.4118



83.0622, 82.4772, 99.5387



16.3705, 16.3336, 20.8325



13.3988, 5.8816, 46.9671



1.2961, 0.5780, 4.1335



# Inverse Universe

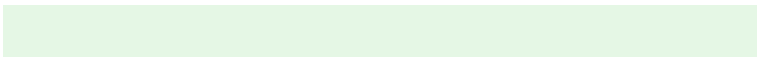
The Inverse Universe completely reimagines the original color for something new.



81.8126, 81.9895, 92.4066



86.3681, 85.5044, 97.1640



79.8155, 88.8882, 87.0833



16.8448, 16.6208, 18.9292



22.2661, 11.2499, 11.3756

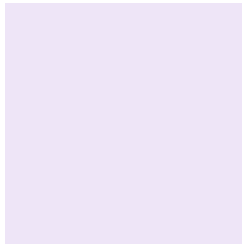


2.0088, 1.0095, 1.2729



# Previews

## White Background



This preview shows how the XYZ color 80.0677, 80.9312, 99.3969 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

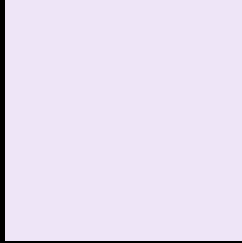
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.0677, 80.9312, 99.3969 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

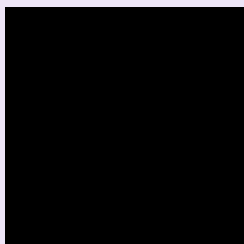
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

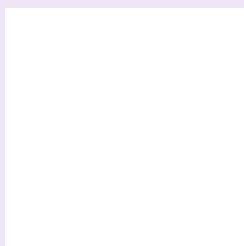
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 80.0677, 80.9312, 99.3969**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.0677, 80.9312, 99.3969.



This preview shows how white text looks on a background with the XYZ color 80.0677, 80.9312,

99.3969.

# 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

80.0677, 80.9312, 99.3969

### Protanopia

78.7979, 81.0849, 100.3048

### Deuteranopia

82.8510, 81.1265, 100.0992



## Tritanopia

80.0677, 80.9312, 99.3969

# Trichromacy



## Original Color

80.0677, 80.9312, 99.3969

## Protanomaly

79.1718, 80.8634, 100.2423

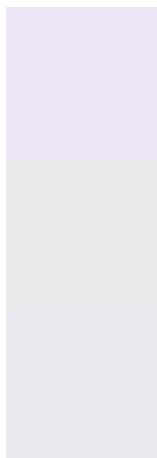
## Deuteranomaly

81.7206, 80.9486, 100.1244

## Tritanomaly

80.0677, 80.9312, 99.3969

# Monochromacy



## Original Color

80.0677, 80.9312, 99.3969

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

78.6976, 81.6074, 93.2653

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.0677, 80.9312, 99.3969 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(238, 229, 247) looks like.

```
.text, #text, p{  
    color:rgb(238, 229, 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(238, 229, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 229, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 80.0677, 80.9312, 99.3969 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(238, 229, 247) }
```



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

```
.border{ border-color:rgb(238, 229, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 229, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 229, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 229, 247);  
box-shadow:4px 4px 4px 4px rgb(238, 229,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.0677, 80.9312, 99.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 229, 247) }
```

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

```
.background{ background-color: rgb(238,  
229, 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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