

# Converting Colors

XYZ(54.4261, 40.0130, 74.7717)

Have a look what the booklet for  
XYZ(54.4261, 40.0130, 74.7717)  
contains.

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# Color

**XYZ(54.4027, 39.9987,  
74.6652)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E48ADF
RGB	228, 138, 223
RGB Percent	89%, 54%, 87%
CMY	0.1059, 0.4588, 0.1255
CMYK	0.00, 0.39, 0.02, 0.11
HSL	303°, 63%, 72%
HSV	303°, 39%, 89%
XYZ	54.4027, 39.9987, 74.6652
YIQ	174.6000, 26.3550, 45.5150

# Conversions

## Conversions Part 2

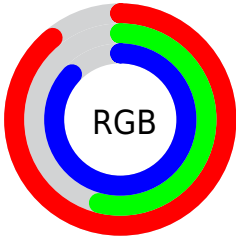
Format	Color
R <sub>Y</sub> B	228, 138, 223
Decimal	14977759
CIE Lab	69.47, 46.74, -29.01
CIE LCh	69, 55.012, 328.178
Yxy	39.9987, 0.3218, 0.2366
Android (android.graphics.Color)	4293167839 (0xFFE48ADF)
YUV	174.6000, 23.8612, 46.8318
Hunter-Lab	63.2445, 42.8671, -25.7254

# Details

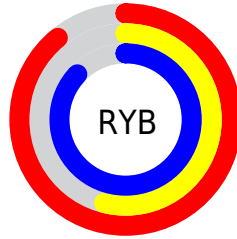
The XYZ color **54.4027, 39.9987, 74.6652** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **43.1843, 62.8747, 35.8490**, and the grayscale version is **40.4135, 42.5181, 46.3022**.

A 20% lighter version of the original color is **78.3600, 66.6199, 103.3367**, and **27.1110, 17.9821, 39.0878** is the 20% darker color. If you saturate the color by 10%, you get **51.2987, 34.0622, 72.7913**, and if you desaturate by 10%, it is **58.1972, 47.3124, 76.7764**.

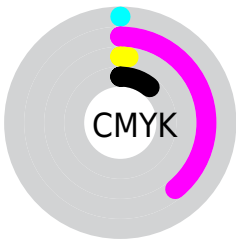
# Distribution



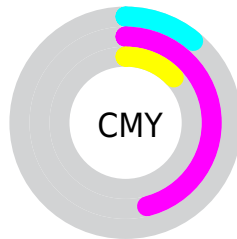
- Red (89%)
- Green (54%)
- Blue (87%)



- Red (89%)
- Yellow (54%)
- Blue (87%)



- Cyan (0%)
- Magenta (39%)
- Yellow (2%)
- Black (11%)




- Cyan (11%)
- Magenta (46%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.4027, 39.9987, 74.6652 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 54.4027, 39.9987, 74.6652 by changing the saturation by 10% instead.





 54.4027, 39.9987,  
74.6652


 54.4027, 39.9987,  
74.6652


393.8171,  
346.1181, 495.9907


 39.1557, 27.5375,  
54.8386

 95.8187, 75.1615,  
127.5811

 27.0621, 17.9773,  
38.8748


 122.7184, 98.6320,  
161.5074

 17.7567, 10.9337,  
26.3552


 154.2330,  
126.5410, 200.9707

 10.8741, 6.0223,  
16.8614

190.7278,  
159.2729, 246.3895

 6.0489, 2.8586,  
9.9748

232.5683,  
197.2122, 298.1823

 2.9158, 1.0584,  
5.2769

280.1198,

 1.1094, 0.0000,

240.7433, 356.7678

2.3491

333.7476,  
290.2504, 422.5644

■ 0.0329, 0.0000,  
0.7585

■ 0.0000, 0.0000,  
0.0000

■ 54.4027, 39.9987,  
74.6652

■ 54.4027, 39.9987,  
74.6652

■ 51.2987, 34.0622,  
72.7913

■ 58.1972, 47.3124,  
76.7764

■ 48.8379, 29.4110,  
71.1377

■ 62.7177, 56.0771,  
79.1355

■ 46.9734, 25.9503,  
69.6891

■ 68.0022, 66.3676,  
81.7556

■ 45.6502, 23.5701,  
68.4273

■ 74.0848, 78.2521,  
84.6480

44.8031, 22.1401,  
67.3304

80.9974, 91.7948,  
87.8236

44.3256, 21.4472,  
66.3629

82.1230, 93.7613,  
89.0764

44.3039, 21.4176,  
66.3131

82.3023, 93.8330,  
90.0202

82.4828, 93.9052,  
90.9709

82.6646, 93.9779,  
91.9284

# Harmonies

## Analogous

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



46.6404, 39.9987, 102.2479



54.4027, 39.9987, 74.6652



57.7073, 39.9987, 45.1209

# Triad

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



54.4027, 39.9987, 74.6652



38.5616, 39.9987, 10.7284



24.8942, 39.9987, 70.8837

# Complementary

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



54.4027, 39.9987, 74.6652



43.1843, 62.8747, 35.8490

# 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.



23.4092, 39.9987, 42.0195



54.4027, 39.9987, 74.6652



30.5289, 39.9987, 13.1531

# Square

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



54.4027, 39.9987, 74.6652



47.7234, 39.9987, 13.8635



25.3047, 39.9987, 22.5635



29.7259, 39.9987, 99.5332



# Rectangle

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



54.4027, 39.9987, 74.6652



56.6031, 39.9987, 30.0383



25.3047, 39.9987, 22.5635



24.0235, 39.9987, 60.6097

# Sweetspot

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



54.4040, 40.0005, 74.6660



85.7807, 81.8975, 104.4657



34.3353, 29.5756, 77.2988



18.1641, 17.1465, 22.2633



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.



54.4040, 40.0005, 74.6660



66.9211, 45.4283, 94.3256



49.1712, 37.9074, 47.1103



14.9587, 14.6007, 17.9830



25.5972, 12.3731, 38.3696



1.9022, 0.9186, 2.8914



# Inverse Universe

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



54.4040, 40.0005, 74.6660



66.9211, 45.4283, 94.3256



47.2496, 64.5008, 57.2562



14.9587, 14.6007, 17.9830



25.5972, 12.3731, 38.3696

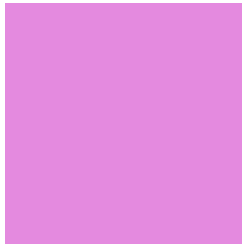


1.9022, 0.9186, 2.8914



# Previews

## White Background



This preview shows how the XYZ color 54.4027, 39.9987, 74.6652 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

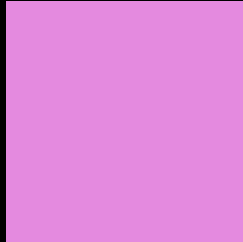
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.4027, 39.9987, 74.6652 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

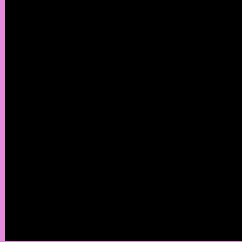
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.4027, 39.9987, 74.6652**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.4027, 39.9987, 74.6652.



This preview shows how white text looks on a background with the XYZ color 54.4027, 39.9987,



# 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

54.4027, 39.9987, 74.6652

### Protanopia

42.1303, 40.3110, 92.7491

### Deuteranopia

41.1715, 40.2765, 71.9338



## Tritanopia

47.1034, 39.9575, 39.4124

# Trichromacy



## Original Color

54.4027, 39.9987, 74.6652



## Protanomaly

45.0003, 39.0639, 86.0572



## Deuteranomaly

44.8143, 39.2585, 72.9258



## Tritanomaly

49.3620, 39.7064, 50.4098

# Monochromacy



## Original Color

54.4027, 39.9987, 74.6652



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

44.6829, 41.1158, 55.4503

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.4027, 39.9987, 74.6652 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(228, 138, 223)` looks like.

```
.text, #text, p{  
    color:rgb(228, 138, 223)  
}
```

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(228, 138, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 138, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 54.4027, 39.9987, 74.6652 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(228, 138, 223) }
```



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

```
.border{ border-color:rgb(228, 138, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 138, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 138, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 138, 223); box-shadow:4px 4px 4px 4px rgb(228, 138, 223) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.4027, 39.9987, 74.6652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 138, 223) }
```

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

```
.background{ background-color: rgb(228,  
138, 223) }
```

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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