

# Converting Colors

XYZ(52.9684, 39.9071, 74.7231)

Have a look what the booklet for  
XYZ(52.9684, 39.9071, 74.7231)  
contains.

<b>XYZ(52.9684, 39.9071, 74.7231)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(52.9684, 39.9071,  
74.7231)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE8DDF
RGB	222, 141, 223
RGB Percent	87%, 55%, 87%
CMY	0.1294, 0.4470, 0.1255
CMYK	0.00, 0.37, 0.00, 0.13
HSL	299°, 56%, 71%
HSV	299°, 37%, 87%
XYZ	52.9684, 39.9071, 74.7231
YIQ	174.5670, 21.9540, 42.6740

# Conversions

## Conversions Part 2

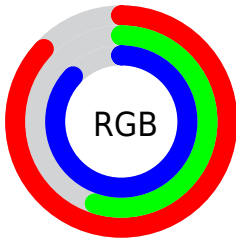
Format	Color
R <sub>Y</sub> B	222, 141, 223
Decimal	14585311
CIE Lab	69.40, 43.34, -29.16
CIE LCh	69, 52.243, 326.065
Yxy	39.9071, 0.3160, 0.2381
Android (android.graphics.Color)	4292775391 (0xFFDE8DDF)
YUV	174.5670, 23.8775, 41.5987
Hunter-Lab	63.1721, 39.1172, -25.9107

# Details

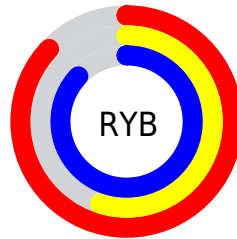
The XYZ color **52.9684, 39.9071, 74.7231** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **42.3520, 60.4502, 34.6372**, and the grayscale version is **40.3980, 42.5018, 46.2845**.

A 20% lighter version of the original color is **79.0299, 67.9599, 103.5600**, and **26.1573, 17.9712, 39.1359** is the 20% darker color. If you saturate the color by 10%, you get **49.9227, 33.9383, 73.7321**, and if you desaturate by 10%, it is **56.6788, 47.2034, 75.9364**.

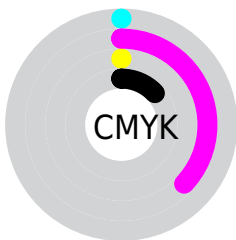
# Distribution



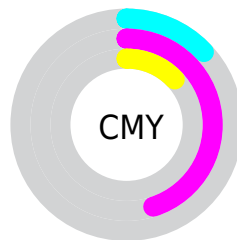
- Red (87%)
- Green (55%)
- Blue (87%)



- Red (87%)
- Yellow (55%)
- Blue (87%)



- Cyan (0%)
- Magenta (37%)
- Yellow (0%)
- Black (13%)



- Cyan (13%)
- Magenta (45%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.9684, 39.9071, 74.7231 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 52.9684, 39.9071, 74.7231 by changing the saturation by 10% instead.



52.9684, 39.9071,  
74.7231

52.9684, 39.9071,  
74.7231

388.4267,  
345.7319, 496.1953

38.0049, 27.4661,  
54.8857

93.7237, 75.0220,  
127.6638

26.1637, 17.9236,  
38.9122

120.2462, 98.4648,  
161.6042

17.0795, 10.8951,  
26.3842

151.3524,  
126.3435, 201.0827

10.3868, 5.9964,  
16.8829

187.4077,  
159.0428, 246.5178

5.7204, 2.8429,  
9.9900

228.7774,  
196.9468, 298.3281

2.7149, 1.0503,  
5.2868

275.8269,

1.0048, 0.0000,

240.4401, 356.9321

2.3548

328.9216,  
289.9070, 422.7483

■ 0.0000, 0.0000,  
0.7617

■ 0.0000, 0.0000,  
0.0000

■ 52.9684, 39.9071,  
74.7231

■ 52.9684, 39.9071,  
74.7231

■ 49.9227, 33.9383,  
73.7321

■ 56.6788, 47.2034,  
75.9364

■ 47.4978, 29.2117,  
72.9476

■ 61.0867, 55.8953,  
77.3818

■ 45.6508, 25.6408,  
72.3557

■ 66.2272, 66.0522,  
79.0714

■ 44.3315, 23.1251,  
71.9396

■ 72.1321, 77.7378,  
81.0157

43.4814, 21.5476,  
71.6799

78.8313, 91.0117,  
83.2247

43.0253, 20.7578,  
71.5515

79.7059, 92.6363,  
83.4922

42.9204, 20.5877,  
71.5242

79.7900, 92.6797,  
83.4962

79.8743, 92.7231,  
83.5001

79.9587, 92.7666,  
83.5040

# Harmonies

## Analogous

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



45.4778, 39.9071, 99.6464



52.9684, 39.9071, 74.7231



56.4303, 39.9071, 46.7042

# Triad

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



52.9684, 39.9071, 74.7231



39.0497, 39.9071, 11.7163



25.1946, 39.9071, 67.1060

# Complementary

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



52.9684, 39.9071, 74.7231



42.3520, 60.4502, 34.6372

# 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.



23.9929, 39.9071, 40.3544



52.9684, 39.9071, 74.7231



31.2681, 39.9071, 13.7404

# Square

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



52.9684, 39.9071, 74.7231



47.6790, 39.9071, 15.2670



26.0478, 39.9071, 22.4090



29.6105, 39.9071, 94.2276



# Rectangle

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



52.9684, 39.9071, 74.7231



55.6616, 39.9071, 31.8692



26.0478, 39.9071, 22.4090



24.4321, 39.9071, 57.5479

# Sweetspot

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



52.9697, 39.9089, 74.7239



86.6198, 83.3261, 106.1259



34.0332, 30.4477, 73.8958



18.3366, 17.4328, 22.6484



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.



52.9697, 39.9089, 74.7239



68.5812, 47.8065, 100.2207



48.5431, 38.1737, 49.8114



14.2777, 13.9267, 17.3233



25.2439, 12.1090, 42.0551



1.7552, 0.8421, 2.9153



# Inverse Universe

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



44.8401, 36.6925, 30.3119



56.0793, 42.8637, 31.7704



45.6765, 61.7602, 53.0342



13.7140, 13.7032, 14.2641



17.9049, 9.2290, 0.8992



1.2435, 0.6407, 0.0751



# Previews

## White Background



This preview shows how the XYZ color 52.9684, 39.9071, 74.7231 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

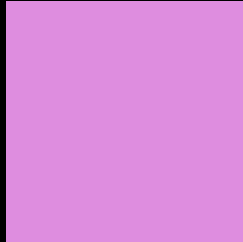
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.9684, 39.9071, 74.7231 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

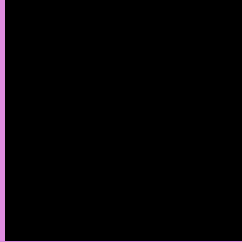
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.9684, 39.9071, 74.7231**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.9684, 39.9071, 74.7231.



This preview shows how white text looks on a background with the XYZ color 52.9684, 39.9071,



# 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

52.9684, 39.9071, 74.7231

### Protanopia

41.8504, 40.2195, 90.3514

### Deuteranopia

41.1715, 40.2765, 71.9338



## Tritanopia

45.9143, 39.7952, 40.8586

# Trichromacy



## Original Color

52.9684, 39.9071, 74.7231



## Protanomaly

44.8227, 39.5085, 84.6204



## Deuteranomaly

44.6736, 39.6883, 73.0162



## Tritanomaly

48.2256, 39.7918, 51.5932

# Monochromacy



## Original Color

52.9684, 39.9071, 74.7231



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

44.3498, 41.2066, 55.4854

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.9684, 39.9071, 74.7231 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(222, 141, 223)` looks like.

```
.text, #text, p{  
    color:rgb(222, 141, 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(222, 141, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 141, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 52.9684, 39.9071, 74.7231 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(222, 141, 223) }
```



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

```
.border{ border-color:rgb(222, 141, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 141, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 141, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 141, 223);  
box-shadow:4px 4px 4px 4px rgb(222, 141,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.9684, 39.9071, 74.7231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 141, 223) }
```

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

```
.background{ background-color: rgb(222,  
141, 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](#).

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