

# Converting Colors

XYZ(54.7988, 38.7125, 76.5356)

Have a look what the booklet for  
XYZ(54.7988, 38.7125, 76.5356)  
contains.

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# Color

**XYZ(54.7988, 38.7125,  
76.5356)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E783E2
RGB	231, 131, 226
RGB Percent	91%, 51%, 89%
CMY	0.0941, 0.4863, 0.1137
CMYK	0.00, 0.43, 0.02, 0.09
HSL	303°, 68%, 71%
HSV	303°, 43%, 91%
XYZ	54.7988, 38.7125, 76.5356
YIQ	171.7300, 29.1050, 50.7450

# Conversions

## Conversions Part 2

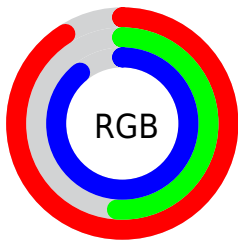
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 131, 226
Decimal	15172578
CIE <sub>Lab</sub>	68.54, 51.74, -32.06
CIE <sub>LCh</sub>	69, 60.870, 328.213
Yxy	38.7125, 0.3223, 0.2277
Android (android.graphics.Color)	4293362658 (0xFFE783E2)
YUV	171.7300, 26.7551, 51.9798
Hunter-Lab	62.2194, 48.3274, -29.3786

# Details

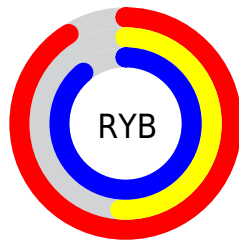
The XYZ color **54.7988, 38.7125, 76.5356** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **42.3816, 63.7562, 33.3672**, and the grayscale version is **38.9364, 40.9641, 44.6099**.

A 20% lighter version of the original color is **76.8489, 63.5978, 102.8330**, and **27.1432, 17.0943, 39.8991** is the 20% darker color. If you saturate the color by 10%, you get **51.8776, 33.1221, 74.7827**, and if you desaturate by 10%, it is **58.4152, 45.6899, 78.5262**.

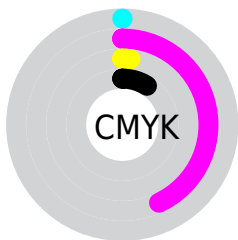
# Distribution



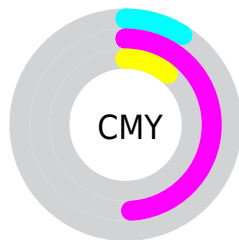
- Red (91%)
- Green (51%)
- Blue (89%)



- Red (91%)
- Yellow (51%)
- Blue (89%)



- Cyan (0%)
- Magenta (43%)
- Yellow (2%)
- Black (9%)




- Cyan (9%)
- Magenta (49%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.7988, 38.7125, 76.5356 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 54.7988, 38.7125, 76.5356 by changing the saturation by 10% instead.





 54.7988, 38.7125,  
76.5356


 54.7988, 38.7125,  
76.5356

395.2976,  
340.6666, 502.5747


 39.4739, 26.5361,  
56.3625

 96.3961, 73.1989,  
130.2507

 27.3109, 17.2252,  
40.0877


 123.3993, 96.2778,  
164.6299

 17.9447, 10.3952,  
27.2926


 155.0258,  
123.7595, 204.5815

 11.0097, 5.6617,  
17.5587

191.6412,  
156.0287, 250.5240

 6.1407, 2.6405,  
10.4675

233.6107,  
193.4696, 302.8761

 2.9723, 0.9471,  
5.6004

281.2997,

 1.1391, 0.0000,

236.4666, 362.0562

2.5388

335.0735,  
285.4041, 428.4829

■ 0.0575, 0.0000,  
0.8606

■ 0.0000, 0.0000,  
0.0000

■ 54.7988, 38.7125,  
76.5356

■ 54.7988, 38.7125,  
76.5356

■ 51.8776, 33.1221,  
74.7827

■ 58.4152, 45.6899,  
78.5262

■ 49.6012, 28.8205,  
73.2497


■ 62.7651, 54.1335,  
80.7663


■ 47.9188, 25.7051,  
71.9199


■ 67.8888, 64.1228,  
83.2695


■ 46.7699, 23.6551,  
70.7732


■ 73.8222, 75.7299,  
86.0480


 46.0816, 22.5245,  
69.7852


 80.5992, 89.0225,  
89.1129

 45.8009, 22.1274,  
69.1854

 83.4138, 94.3885,  
90.8624

 83.5793, 94.4547,  
91.7342

 83.7460, 94.5214,  
92.6117

 83.9137, 94.5885,  
93.4949

# Harmonies

## Analogous

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



46.2184, 38.7125, 107.9084



54.7988, 38.7125, 76.5356



58.4729, 38.7125, 43.8195

# Triad

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



54.7988, 38.7125, 76.5356



37.3730, 38.7125, 8.3356



22.8213, 38.7125, 72.3687

# Complementary

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



54.7988, 38.7125, 76.5356



42.3816, 63.7562, 33.3672

# 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.



21.2711, 38.7125, 40.5260



54.7988, 38.7125, 76.5356



28.7484, 38.7125, 10.6413

# Square

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



54.7988, 38.7125, 76.5356



47.3875, 38.7125, 11.3127



23.2420, 38.7125, 20.0050



27.9119, 38.7125, 104.8561



# Rectangle

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



54.7988, 38.7125, 76.5356



57.2360, 38.7125, 27.7070



23.2420, 38.7125, 20.0050



21.9123, 38.7125, 60.9041

# Sweetspot

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



54.8001, 38.7142, 76.5364



85.1057, 80.5366, 104.2741



32.6952, 27.2383, 79.1367



17.8921, 16.6055, 22.1636



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.



54.8001, 38.7142, 76.5364



65.2493, 42.0777, 93.7900



48.9093, 36.3579, 45.5161



14.9623, 14.6021, 18.0021



25.6904, 12.4104, 38.8604



1.9081, 0.9209, 2.9224



# Inverse Universe

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



54.8001, 38.7142, 76.5364



65.2493, 42.0777, 93.7900



46.8005, 65.5237, 56.6369



14.9623, 14.6021, 18.0021



25.6904, 12.4104, 38.8604

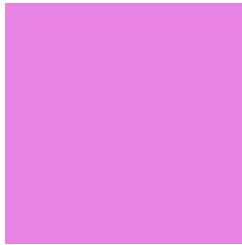


1.9081, 0.9209, 2.9224



# Previews

## White Background



This preview shows how the XYZ color 54.7988, 38.7125, 76.5356 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

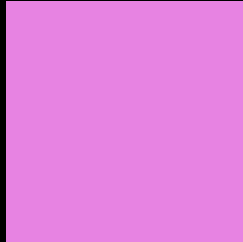
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.7988, 38.7125, 76.5356 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

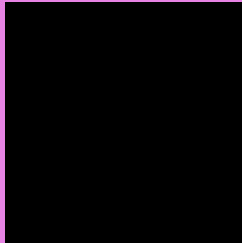
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.7988, 38.7125, 76.5356**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.7988, 38.7125, 76.5356.



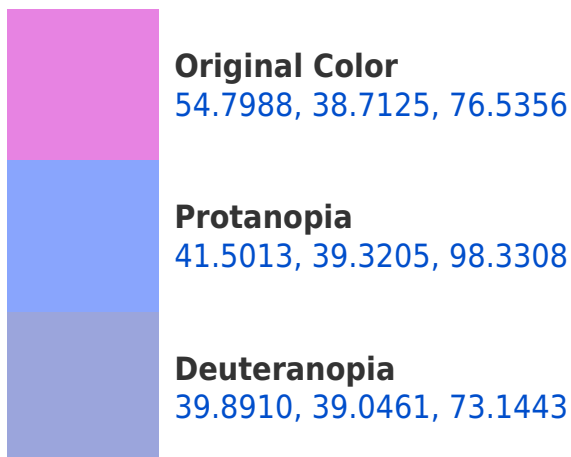
This preview shows how white text looks on a background with the XYZ color 54.7988, 38.7125,



# 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





## Tritanopia

46.4889, 38.5217, 36.8835

# Trichromacy



## Original Color

54.7988, 38.7125, 76.5356



## Protanomaly

44.3635, 37.9115, 89.7735



## Deuteranomaly

44.1045, 38.1237, 74.1413



## Tritanomaly

49.0197, 38.4347, 49.0910

# Monochromacy



## Original Color

54.7988, 38.7125, 76.5356



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

43.5637, 39.2572, 55.1505

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.7988, 38.7125, 76.5356 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(231, 131, 226)` looks like.

```
.text, #text, p{  
    color:rgb(231, 131, 226)  
}
```

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(231, 131, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 131, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 54.7988, 38.7125, 76.5356 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(231, 131, 226) }
```



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

```
.border{ border-color:rgb(231, 131, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 131, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 131, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 131, 226);  
box-shadow:4px 4px 4px 4px rgb(231, 131,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.7988, 38.7125, 76.5356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 131, 226) }
```

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

```
.background{ background-color: rgb(231,  
131, 226) }
```

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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