

# Converting Colors

XYZ(57.7117, 39.1191, 84.6302)

Have a look what the booklet for  
XYZ(57.7117, 39.1191, 84.6302)  
contains.

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# Color

**XYZ(57.6720, 39.0407,  
84.6167)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED7EED
RGB	237, 126, 237
RGB Percent	93%, 49%, 93%
CMY	0.0706, 0.5059, 0.0706
CMYK	0.00, 0.47, 0.00, 0.07
HSL	300°, 76%, 71%
HSV	300°, 47%, 93%
XYZ	57.6720, 39.0407, 84.6167
YIQ	171.8430, 30.5250, 58.0530

# Conversions

## Conversions Part 2

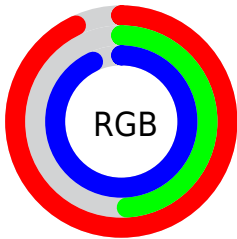
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">237, 126, 237</a>
Decimal	<a href="#">15564525</a>
CIELab	<a href="#">68.78, 57.86, -37.70</a>
CIElCh	<a href="#">69, 69.063, 326.912</a>
Yxy	<a href="#">39.0407, 0.3181, 0.2153</a>
Android (android.graphics.Color)	<a href="#">4293754605 (0xFFED7EED)</a>
YUV	<a href="#">171.8430, 32.1224, 57.1427</a>
Hunter-Lab	<a href="#">62.4826, 55.4127, -36.5554</a>

# Details

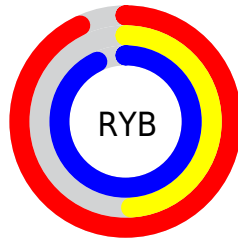
The XYZ color **57.6720, 39.0407, 84.6167** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **42.6560, 66.5119, 30.3308**, and the grayscale version is **38.9667, 40.9960, 44.6447**.

A 20% lighter version of the original color is **76.0179, 61.9359, 102.5560**, and **29.1841, 17.4264, 45.5415** is the 20% darker color. If you saturate the color by 10%, you get **54.9932, 33.6822, 83.7240**, and if you desaturate by 10%, it is **61.0713, 45.8382, 85.7503**.

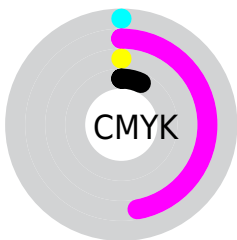
# Distribution



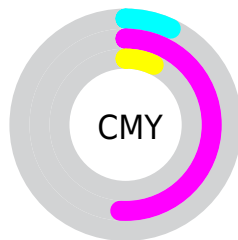
- Red (93%)
- Green (49%)
- Blue (93%)



- Red (93%)
- Yellow (49%)
- Blue (93%)



- Cyan (0%)
- Magenta (47%)
- Yellow (0%)
- Black (7%)




- Cyan (7%)
- Magenta (51%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6720, 39.0407, 84.6167 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 57.6720, 39.0407, 84.6167 by changing the saturation by 10% instead.




 57.6720, 39.0407,  
84.6167


 57.6720, 39.0407,  
84.6167


405.9362,  
342.0635, 530.4704


 41.7873, 26.7914,  
62.9764


 100.5708, 73.7005,  
141.7069

 29.1251, 17.4166,  
45.3812


 128.3155, 96.8798,  
177.9939

 19.3203, 10.5320,  
31.4127


 160.7443,  
124.4711, 220.0002

 12.0073, 5.7531,  
20.6522

198.2225,  
156.8590, 268.1444

 6.8209, 2.6955,  
12.6813

241.1154,  
194.4278, 322.8449

 3.3957, 0.9749,  
7.0813

289.7884,

 1.3663, 0.0000,

237.5619, 384.5204

3.4338

344.6069,  
286.6457, 453.5894

■ 0.2320, 0.0000,  
1.3202

■ 0.0000, 0.0000,  
0.0782

■ 57.6720, 39.0407,  
84.6167

■ 57.6720, 39.0407,  
84.6167

■ 54.9932, 33.6822,  
83.7240

■ 61.0713, 45.8382,  
85.7503

■ 52.9793, 29.6545,  
83.0525


■ 65.2334, 54.1624,  
87.1378

■ 51.5734, 26.8426,  
82.5838


■ 70.2022, 64.1001,  
88.7942


■ 50.7070, 25.1099,  
82.2948


■ 76.0172, 75.7300,  
90.7327


 50.2931, 24.2821,  
82.1567


 82.7152, 89.1260,  
92.9655

 50.2116, 24.1192,  
82.1295

 85.9719, 95.6393,  
94.0512

 85.9720, 95.6393,  
94.0514

 85.9720, 95.6394,  
94.0515

 85.9720, 95.6394,  
94.0517

# Harmonies

## Analogous

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



47.4671, 39.0407, 122.0511



57.6720, 39.0407, 84.6167



62.3288, 39.0407, 45.8383

# Triad

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



57.6720, 39.0407, 84.6167



38.2521, 39.0407, 6.2648



21.3308, 39.0407, 76.0276

# Complementary

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



57.6720, 39.0407, 84.6167



42.6560, 66.5119, 30.3308

# 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.



19.8142, 39.0407, 39.3444



57.6720, 39.0407, 84.6167



28.3760, 39.0407, 8.2380

# Square

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



57.6720, 39.0407, 84.6167



49.8184, 39.0407, 9.3736



22.1241, 39.0407, 17.3699



26.7657, 39.0407, 115.6101



# Rectangle

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



57.6720, 39.0407, 84.6167



61.0947, 39.0407, 27.2800



22.1241, 39.0407, 17.3699



20.3986, 39.0407, 62.5552

# Sweetspot

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



57.6733, 39.0424, 84.6175



84.6998, 79.2997, 105.4497



31.3529, 25.4738, 83.3864



17.8265, 16.3679, 22.4697



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.



57.6733, 39.0424, 84.6175



65.1061, 40.1125, 98.9177



50.7795, 36.2849, 48.3148



15.7149, 15.3138, 19.0498



27.4132, 13.1680, 44.8390



2.1526, 1.0340, 3.5209



# Inverse Universe

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



57.6733, 39.0424, 84.6175



65.1061, 40.1125, 98.9177



47.2820, 68.3623, 54.6907



15.7149, 15.3138, 19.0498



27.4132, 13.1680, 44.8390



2.1526, 1.0340, 3.5209



# Previews

## White Background



This preview shows how the XYZ color 57.6720, 39.0407, 84.6167 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

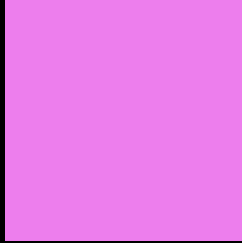
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.6720, 39.0407, 84.6167 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

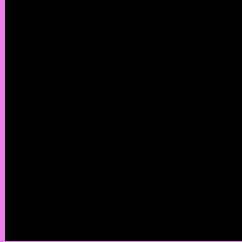
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.6720, 39.0407, 84.6167**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.6720, 39.0407, 84.6167.



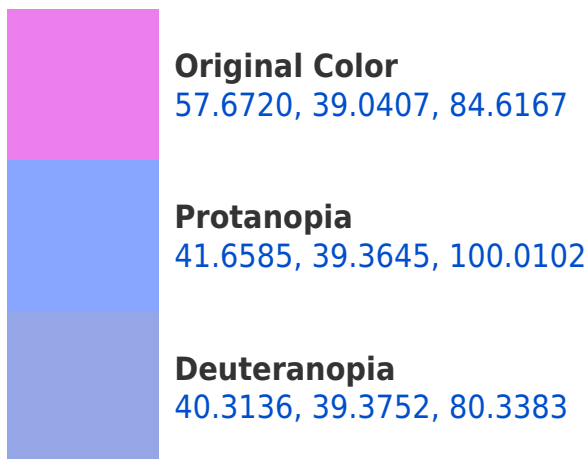
This preview shows how white text looks on a background with the XYZ color 57.6720, 39.0407,



# 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

47.8047, 38.9820, 36.4572

# Trichromacy



## Original Color

57.6720, 39.0407, 84.6167



## Protanomaly

45.2435, 37.7948, 93.7175



## Deuteranomaly

44.8306, 37.8402, 82.0318



## Tritanomaly

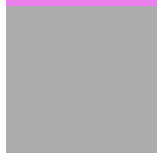
50.8004, 38.6687, 50.6853

# Monochromacy



## Original Color

57.6720, 39.0407, 84.6167



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

44.4501, 39.1640, 57.4412

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.6720, 39.0407, 84.6167 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(237, 126, 237)` looks like.

```
.text, #text, p{  
    color:rgb(237, 126, 237)  
}
```

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(237, 126, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 126, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 57.6720, 39.0407, 84.6167 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(237, 126, 237) }
```



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

```
.border{ border-color:rgb(237, 126, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 126, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 126, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 126, 237);  
box-shadow:4px 4px 4px 4px rgb(237, 126,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.6720, 39.0407, 84.6167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 126, 237) }
```

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

```
.background{ background-color: rgb(237,  
126, 237) }
```

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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