

# Converting Colors

XYZ(57.5847, 39.3772, 87.5677)

Have a look what the booklet for  
XYZ(57.5847, 39.3772, 87.5677)  
contains.

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# Color

**XYZ(57.5280, 39.2816,  
87.7691)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EA80F1
RGB	234, 128, 241
RGB Percent	92%, 50%, 95%
CMY	0.0823, 0.4980, 0.0549
CMYK	0.03, 0.47, 0.00, 0.05
HSL	296°, 80%, 72%
HSV	296°, 47%, 95%
XYZ	57.5280, 39.2816, 87.7691
YIQ	172.5760, 26.9030, 57.6150

# Conversions

## Conversions Part 2

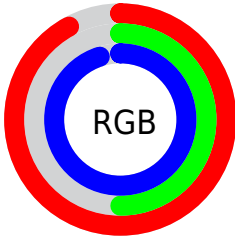
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">234, 128, 241</a>
Decimal	<a href="#">15368433</a>
CIELab	<a href="#">68.95, 56.76, -39.66</a>
CIELCh	<a href="#">69, 69.243, 325.057</a>
Yxy	<a href="#">39.2816, 0.3117, 0.2128</a>
Android (android.graphics.Color)	<a href="#">4293558513 (0xFFEA80F1)</a>
YUV	<a href="#">172.5760, 33.7330, 53.8688</a>
Hunter-Lab	<a href="#">62.6750, 54.1598, -39.1562</a>

# Details

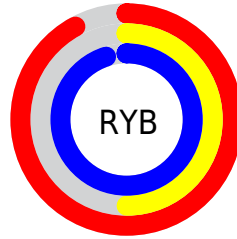
The XYZ color **57.5280, 39.2816, 87.7691** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **45.3445, 69.6209, 31.4722**, and the grayscale version is **39.3305, 41.3787, 45.0614**.

A 20% lighter version of the original color is **76.4305, 62.7610, 102.6935**, and **29.0050, 17.5884, 47.2136** is the 20% darker color. If you saturate the color by 10%, you get **54.2622, 33.4736, 86.8207**, and if you desaturate by 10%, it is **61.5471, 46.5880, 88.9681**.

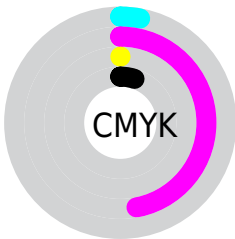
# Distribution



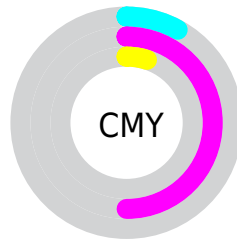
- Red (92%)
- Green (50%)
- Blue (95%)



- Red (92%)
- Yellow (50%)
- Blue (95%)



- Cyan (3%)
- Magenta (47%)
- Yellow (0%)
- Black (5%)




- Cyan (8%)
- Magenta (50%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.5280, 39.2816, 87.7691 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 57.5280, 39.2816, 87.7691 by changing the saturation by 10% instead.





 57.5280, 39.2816,  
87.7691

 57.5280, 39.2816,  
87.7691


405.4071,  
343.0863, 541.1285


 41.6711, 26.9789,  
65.5686

 100.3621, 74.0683,  
146.1440

 29.0338, 17.5573,  
47.4680


 128.0700, 97.3211,  
183.1554

 19.2508, 10.6327,  
33.0488


 160.4590,  
124.9926, 225.9409

 11.9567, 5.8204,  
21.8924

197.8944,  
157.4674, 274.9191

 6.7862, 2.7362,  
13.5803

240.7416,  
195.1297, 330.5084

 3.3739, 0.9956,  
7.6939

289.3658,

 1.3544, 0.0000,

238.3641, 393.1273

3.8148

344.1326,  
287.5548, 463.1945

■ 0.2234, 0.0000,  
1.5243

■ 0.0000, 0.0000,  
0.2359

■ 57.5280, 39.2816,  
87.7691

■ 57.5280, 39.2816,  
87.7691

■ 54.2622, 33.4736,  
86.8207

■ 61.5471, 46.5880,  
88.9681

■ 51.6919, 29.0513,  
86.1026


■ 66.3637, 55.4845,  
90.4315


■ 49.7575, 25.8950,  
85.5953


■ 72.0237, 66.0614,  
92.1747


■ 48.3878, 23.8618,  
85.2751


■ 78.5680, 78.4010,  
94.2115


 47.4917, 22.7697,  
85.1115


 86.0351, 92.5798,  
96.5548

 47.2642, 22.5315,  
85.0775

 88.5850, 96.9182,  
97.2578

 89.1022, 97.1848,  
97.2820

 89.6236, 97.4536,  
97.3064

 90.1492, 97.7246,  
97.3310

# Harmonies

## Analogous

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



47.0438, 39.2816, 124.6107



57.5280, 39.2816, 87.7691



62.6622, 39.2816, 48.2129

# Triad

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



57.5280, 39.2816, 87.7691



39.1907, 39.2816, 6.3325



21.2483, 39.2816, 73.9480

# Complementary

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



57.5280, 39.2816, 87.7691



45.3445, 69.6209, 31.4722

# 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.



19.9604, 39.2816, 37.7547



57.5280, 39.2816, 87.7691



29.0649, 39.2816, 7.9944

# Square

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



57.5280, 39.2816, 87.7691



50.8282, 39.2816, 9.8274



22.5263, 39.2816, 16.5866



26.4714, 39.2816, 114.2510



# Rectangle

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



57.5280, 39.2816, 87.7691



61.7508, 39.2816, 28.8689



22.5263, 39.2816, 16.5866



20.3906, 39.2816, 60.5435

# Sweetspot

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



57.5294, 39.2833, 87.7699



83.8910, 78.8827, 105.4121



33.5194, 28.4191, 86.9384



17.6269, 16.2650, 22.4604



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.



57.5294, 39.2833, 87.7699



61.9266, 38.4734, 98.7700



53.5141, 37.9480, 54.3943



16.3519, 15.9787, 19.9440



25.6731, 12.2404, 46.1374



2.1648, 1.0333, 3.8396



# Inverse Universe

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



48.3692, 35.8900, 27.3014



50.5102, 34.2741, 22.0571



48.2912, 70.6737, 52.6754



15.8125, 15.7747, 16.5688



19.7341, 10.1660, 1.2502

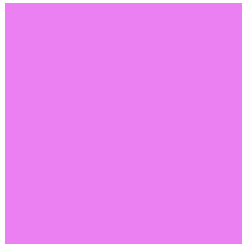


1.6555, 0.8513, 0.1768



# Previews

## White Background



This preview shows how the XYZ color 57.5280, 39.2816, 87.7691 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

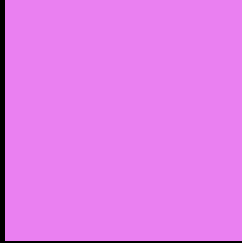
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.5280, 39.2816, 87.7691 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

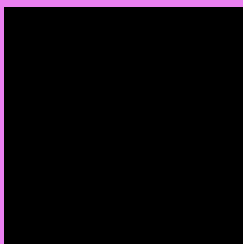
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.5280, 39.2816, 87.7691**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.5280, 39.2816, 87.7691.



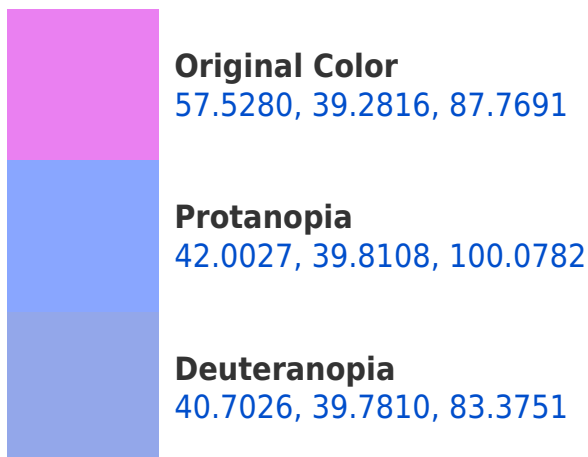
This preview shows how white text looks on a background with the XYZ color 57.5280, 39.2816,



# 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

47.0367, 39.0240, 37.4010

# Trichromacy



## Original Color

57.5280, 39.2816, 87.7691



## Protanomaly

45.4968, 38.1293, 95.4042



## Deuteranomaly

45.2677, 38.4806, 85.1624



## Tritanomaly

50.1337, 38.7179, 52.4079

# Monochromacy



## Original Color

57.5280, 39.2816, 87.7691



## Achromatopsia

39.7200, 41.7885, 45.5077



## Achromatomaly

44.7557, 39.7933, 58.7481

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.5280, 39.2816, 87.7691 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(234, 128, 241)` looks like.

```
.text, #text, p{  
    color:rgb(234, 128, 241)  
}
```

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(234, 128, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 128, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 57.5280, 39.2816, 87.7691 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(234, 128, 241) }
```



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

```
.border{ border-color:rgb(234, 128, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 128, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 128, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 128, 241);  
box-shadow:4px 4px 4px 4px rgb(234, 128,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.5280, 39.2816, 87.7691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 128, 241) }
```

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

```
.background{ background-color: rgb(234,  
128, 241) }
```

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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